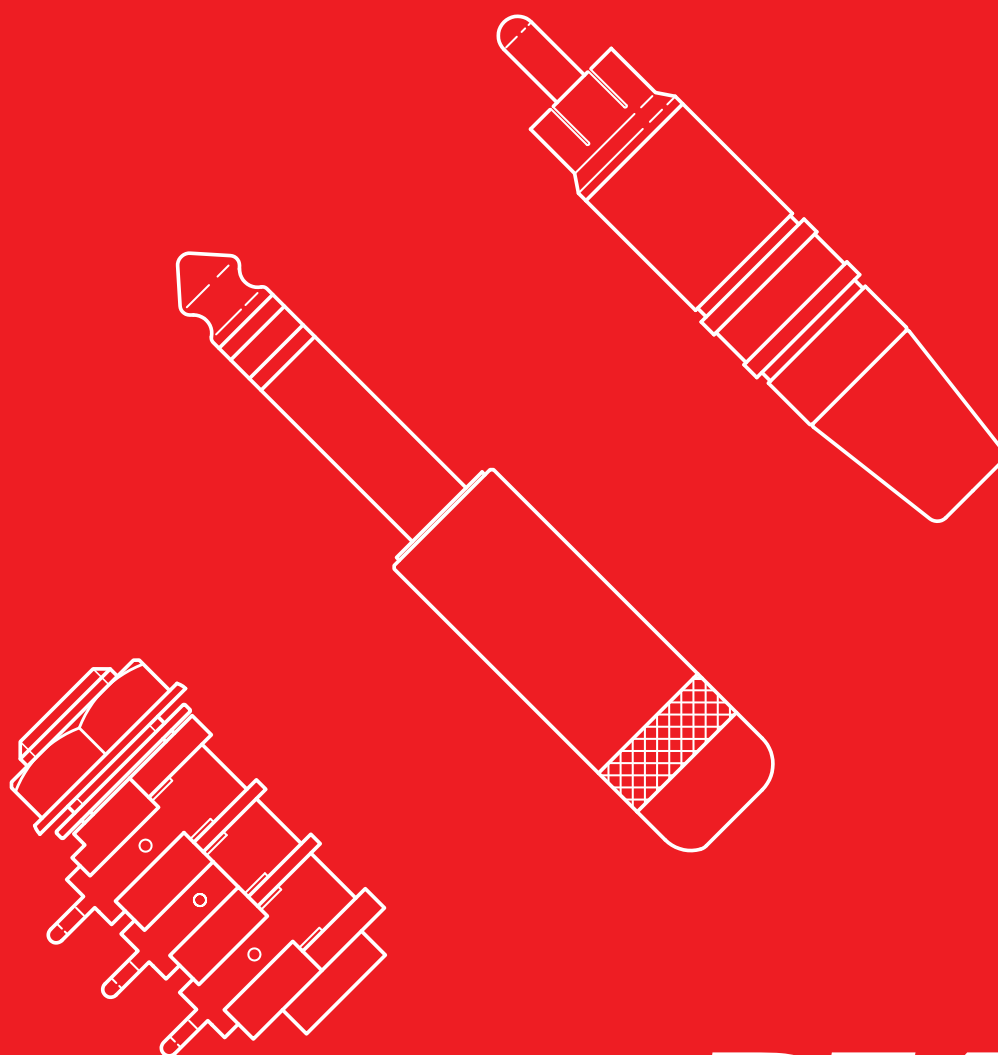




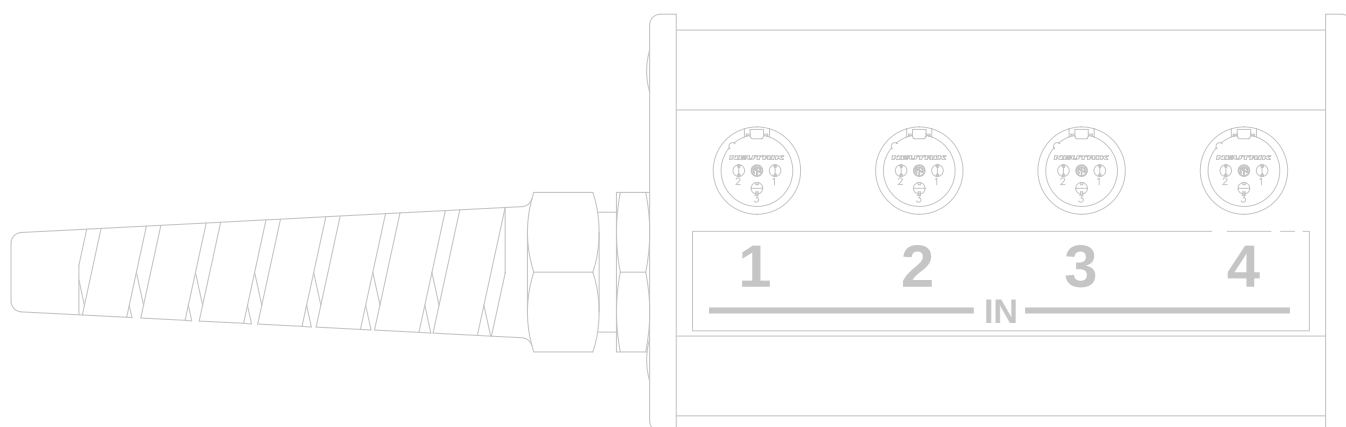
# Product Guide | 2015/16



**REAN**<sup>®</sup>  
REAN a brand of Neutrik AG



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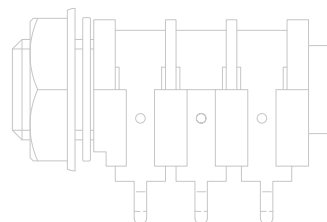
## REAN®

With the brand REAN, the world's leading supplier of professional audio and video connectors – Neutrik AG – offers another interesting product range.

Excellent cost-performance ratio, attractive design and reliable functionality are the strengths of REAN.

Based on long-time know-how audio and video connectors for professional applications are developed and produced on up to date production facilities. An efficient logistics system and a global sales network make a high availability and short delivery times possible. The REAN product range is an alternative solution for cost sensitive applications.

REAN a brand of Neutrik AG





## TINY xlr Cable Connectors



RT3FC-B



RT4FC-B-W



RT4FCT-B

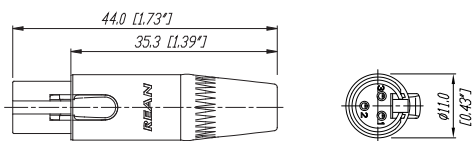


RT3MC-B

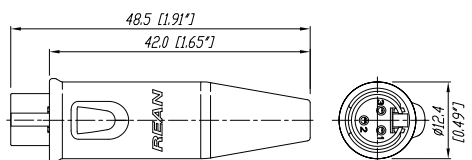
- 3, 4 and 5 pole versions available
- Easy to assemble
- Robust metal housing with best flex relief
- Shielded system – high noise immunity and EMI protection
- Intuitive and rugged locking mechanism provides secure locking system
- Millionfold proven chuck type strain relief – up to 4.0 mm cable diameter

- Keyed insert and strain relief to avoid mispositioning / rotation of insert respectively cable
- RT\*FC-B-W: optional sealing boot (patent pending) for water/sweat protection if mated with RT\*MP
- RT\*FCT-B: screw locking design for outstanding ruggedness – fits with common rear mountable connectors
- BRT-L: Accessory kit for cables from 4.0 – 5.0 mm

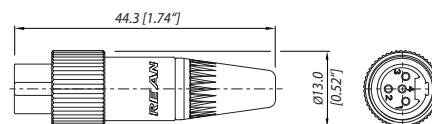
RT3FC-B



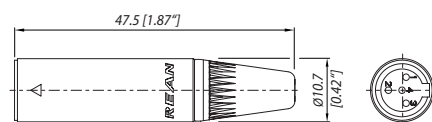
RT3FC-B-W



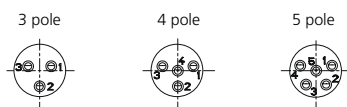
RT3FCT-B



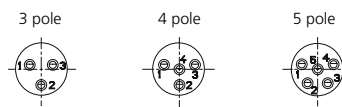
RT3MC-B



Female Pin-Layouts (front view)



Male Pin-Layouts (front view)



## Ordering Information

| Type No.                                | Description |                                                                                                                    |
|-----------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------|
| Cable connectors                        |             |                                                                                                                    |
| Female                                  | Male        |                                                                                                                    |
| RT3FC-B                                 | RT3MC-B     | 3 pole TINY cable connector, black metal shell, gold plated contacts                                               |
| RT4FC-B                                 | RT4MC-B     | 4 pole TINY cable connector, black metal shell, gold plated contacts                                               |
| RT5FC-B                                 | RT5MC-B     | 5 pole TINY cable connector, black metal shell, gold plated contacts                                               |
| RT*FC-B-D                               | RT*MC-B-D   | TINY cable connector, black metal shell, gold plated contacts; bulk packed, to be ordered in multiples of 100 pcs. |
| Cable connectors female water resistant |             |                                                                                                                    |
| RT3FC-B-W                               |             | 3 pole TINY female cable connector, black metal shell, water resistant boot, gold plated contacts                  |
| RT4FC-B-W                               |             | 4 pole TINY female cable connector, black metal shell, water resistant boot, gold plated contacts                  |
| RT5FC-B-W                               |             | 5 pole TINY female cable connector, black metal shell, water resistant boot, gold plated contacts                  |
| RT*FC-B-W-D                             |             | TINY female cable connector, black metal shell, water resistant boot, gold plated contacts; bulk packed,           |
|                                         |             | to be ordered in multiples of 100 pcs.                                                                             |
| Cable connectors female screw locking   |             |                                                                                                                    |
| RT3FCT-B                                |             | 3 pole TINY female cable connector with screw locking, black metal shell & nut, gold plated contacts               |
| RT4FCT-B                                |             | 4 pole TINY female cable connector with screw locking, black metal shell & nut, gold plated contacts               |
| RT5FCT-B                                |             | 5 pole TINY female cable connector with screw locking, black metal shell & nut, gold plated contacts               |
| RT*FCT-B-D                              |             | TINY female cable connector with screw locking, black metal shell & nut, gold plated contacts; bulk packed,        |
|                                         |             | to be ordered in multiples of 100 pcs.                                                                             |
| Accessories                             |             |                                                                                                                    |
| BRT-L                                   |             | Bushing and chuck for cable diameters 4.0 – 5.0 mm                                                                 |

## Specification

Cable connectors  
RT\*FC-B\*/RT\*MC-B\*Screw locking  
RT\*FCT-B\*

| Electrical                |                               |                               |
|---------------------------|-------------------------------|-------------------------------|
| Rated current per contact | < 5 A                         | < 5 A                         |
| Contact resistance        | < 10 mΩ                       | < 10 mΩ                       |
| Insulation resistance     | > 1 GΩ                        | > 1 GΩ                        |
| Dielectric strength       | > 500 V rms                   | > 500 V rms                   |
| Mechanical                |                               |                               |
| Lifetime                  | > 5'000 mating cycles         | > 5'000 mating cycles         |
| Cable O.D. range          | 2.0 – 4.0 mm                  | 2.0 – 4.0 mm                  |
| Wiring                    | solder contacts               | solder contacts               |
| Max. wire size            | 0.22 mm <sup>2</sup> / 24 AWG | 0.22 mm <sup>2</sup> / 24 AWG |
| Material                  |                               |                               |
| Bushing                   | ABS                           | ABS                           |
| Contacts                  | female CuSn6 / male CuZn39Pb3 | CuSn6                         |
| Contact plating           | Au plated                     | Au plated                     |
| Insert                    | PA 6 30% GR                   | PA 6 30% GR                   |
| Shell (housing)           | ZnAl4Cu1                      | ZnAl4Cu1                      |
| Shell plating             | black                         | black                         |
| Strain relief             | PVC                           | PVC                           |
| Protection boot           | EPDM                          | –                             |
| Locking nut               | –                             | Al, black anodized            |
| Environment               |                               |                               |
| Operating temperature     | -30°C to +85°C                | -30°C to +85°C                |
| Solderability             | complies with IEC68-2-20      | complies with IEC68-2-20      |



## TINY xlr Chassis Connectors



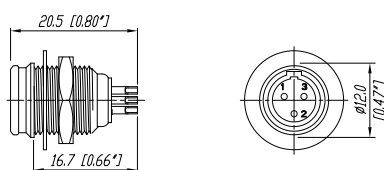
RT3MP



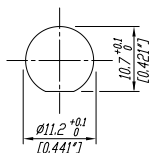
RT4MPR

- Front and rear mountable receptacles in 3, 4 and 5 pole design
- Watertight chassis connector, even in unmated condition
- RT\*MP provides water resistant connection if mated with RT\*FC-B-W

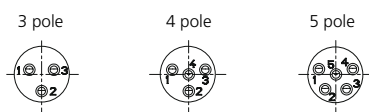
RT3MP



Panel Cutout



Male Pin-Layouts (front view)



## TINY xlr Adapters



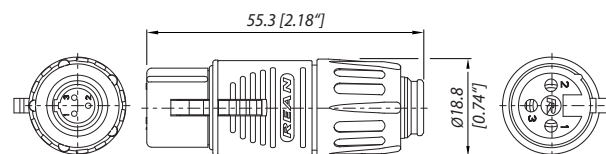
RA3FT-B



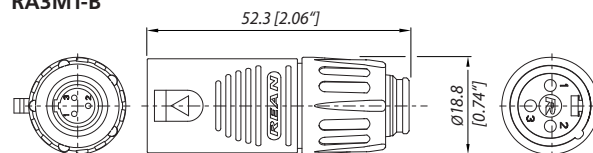
RA3MT-B

- Easy and fast solution to interconnect mini XLRs
- Rugged metal housing
- Mini XLR 3 pin to XLR-Male or XLR-Female

RA3FT-B



RA3MT-B



## Ordering Information

| Type No.                         | Description                                                                                                                                                            |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chassis connectors               |                                                                                                                                                                        |
| RT3MP                            | 3 pole TINY male chassis connector, nickel metal housing, gold plated contacts, max. panel thickness: 6 mm                                                             |
| RT4MP                            | 4 pole TINY male chassis connector, nickel metal housing, gold plated contacts, max. panel thickness: 6 mm                                                             |
| RT5MP                            | 5 pole TINY male chassis connector, nickel metal housing, gold plated contacts, max. panel thickness: 6 mm                                                             |
| RT*MP-D                          | TINY male chassis connector, nickel metal housing, gold plated contacts, max. panel thickness: 6 mm; bulk packed, to be ordered in multiples of 100 pcs.               |
| Chassis connectors rearmountable |                                                                                                                                                                        |
| RT3MPR                           | 3 pole TINY rearmountable, male chassis connector, nickel metal housing, gold plated contacts, max. panel thickness: 3 mm                                              |
| RT4MPR                           | 4 pole TINY rearmountable, male chassis connector, nickel metal housing, gold plated contacts, max. panel thickness: 3 mm                                              |
| RT5MPR                           | 5 pole TINY rearmountable, male chassis connector, nickel metal housing, gold plated contacts, max. panel thickness: 3 mm                                              |
| RT*MPR-D                         | TINY rearmountable male chassis connector, nickel metal housing, gold plated contacts, max. panel thickness: 3 mm; bulk packed, to be ordered in multiples of 100 pcs. |
| Adapters                         |                                                                                                                                                                        |
| RA3FT-B                          | 3 pole adapter TINY male to female XLR, black metall shell, gold plated contacts                                                                                       |
| RA3MT-B                          | 3 pole adapter TINY male to male XLR, black metall shell, gold plated contacts                                                                                         |

## Specification

|                           | Chassis connectors<br>RT*MP*  | Adapters<br>RA*T-B            |
|---------------------------|-------------------------------|-------------------------------|
| Electrical                |                               |                               |
| Rated current per contact | < 5 A                         | –                             |
| Contact resistance        | < 10 mΩ                       | ≤ 5 mΩ                        |
| Insulation resistance     | > 1 GΩ                        | > 1 GΩ                        |
| Dielectric strength       | > 500 V rms                   | 500 V rms                     |
| Mechanical                |                               |                               |
| Lifetime                  | > 5'000 mating cycles         | > 5'000 mating cycles         |
| Wiring                    | solder contacts               | –                             |
| Max. wire size            | 0.22 mm <sup>2</sup> / 24 AWG | –                             |
| Material                  |                               |                               |
| Contacts                  | CuZn39Pb3                     | female CuSn6 / male CuZn39Pb3 |
| Contact plating           | Au plated                     | Au plated                     |
| Insert                    | PA 6.6 30% GR                 | PA 6 30% GR                   |
| Shell (housing)           | ZnAl4Cu1                      | ZnAl4Cu1                      |
| Shell plating             | nickel                        | black                         |
| Environment               |                               |                               |
| Operating temperature     | -30°C to +85°C                | -20°C to +65°C                |
| Solderability             | complies with IEC68-2-20      | –                             |

# 1 / 4 " J a c k s



## 1 / 4 " Vertical Jacks



RJ3VM



RJ5VM



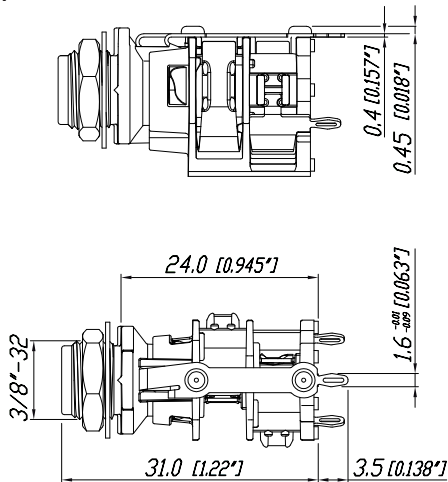
RJ3VI-D1



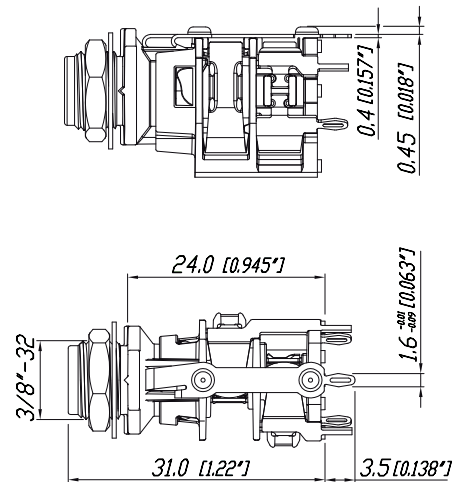
RJ5VI-D1

- Vertical PCB-mount – Fit's widely used PCB layout of existing vertical jacks
- Space saving 1/4" jack – enables highest packing density
- Circumferential contact arrangement – provides reliable switching function
- Integrated body stop for the inserted 1/4" plug – ensures best conductivity independent from mating tip shape
- Spring loaded ground contact – maintains superior contact integrity

RJ3VM



RJ5VM





## Ordering Information

| Type No.                                                                  | Description                                                                                               |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| 1/4 " Vertical Jack (bulk packed, to be ordered in multiples of 100 pcs.) |                                                                                                           |
| RJ3VM                                                                     | 1/4" TRS Jack, vertical PCB, metal nose, with nut and washer, no normalling contacts                      |
| RJ5VM                                                                     | 1/4" TRS Jack, vertical PCB, metal nose, with nut and washer, with tip and ring normalling contacts       |
| RJ3VM-D1                                                                  | 1/4" TRS Jack, vertical PCB D1, metal nose, with nut and washer, no normalling contacts                   |
| RJ5VM-D1                                                                  | 1/4" TRS Jack, vertical PCB D1, metal nose, with nut and washer, with tip and ring normalling contacts    |
| RJ3VM-S                                                                   | 1/4" TRS Jack, with solder lugs, metal nose, with nut and washer, no normalling contacts                  |
| RJ5VM-S                                                                   | 1/4" TRS Jack, with solder lugs, metal nose, with nut and washer, with tip and ring normalling contacts   |
| RJ3VI                                                                     | 1/4" TRS Jack, vertical PCB, plastic nose, with nut and washer, no normalling contacts                    |
| RJ5VI                                                                     | 1/4" TRS Jack, vertical PCB, plastic nose, with nut and washer, with tip and ring normalling contacts     |
| RJ3VI-D1                                                                  | 1/4" TRS Jack, vertical PCB D1, plastic nose, with nut and washer, no normalling contacts                 |
| RJ5VI-D1                                                                  | 1/4" TRS Jack, vertical PCB D1, plastic nose, with nut and washer, with tip and ring normalling contacts  |
| RJ3VI-S                                                                   | 1/4" TRS Jack, with solder lugs, plastic nose, with nut and washer, no normalling contacts                |
| RJ5VI-S                                                                   | 1/4" TRS Jack, with solder lugs, plastic nose, with nut and washer, with tip and ring normalling contacts |

## Ordering Key

W/o SUFFIX:



"-D1":



"-S":



## Specification

### Electrical

|                           |          |
|---------------------------|----------|
| Rated current per contact | 3 A      |
| Contact resistance        | < 10 mΩ  |
| Insulation resistance     | ≥ 1 GΩ   |
| Dielectric strength       | 500 V dc |

### Mechanical

|                              |                       |
|------------------------------|-----------------------|
| Lifetime                     | > 1'000 mating cycles |
| Insertion / withdrawal force | ≤ 20 N / ≥ 10 N       |

### Material

|                 |            |
|-----------------|------------|
| Contacts        | CuSn6      |
| Contact plating | Ag         |
| Shell (housing) | PA6 30% GR |
| Thread nose     | ZnAl4Cu1   |

### Environment

|                       |                          |
|-----------------------|--------------------------|
| Operating temperature | -20°C to +70°C           |
| Solderability         | complies with IEC68-2-20 |



## 1/4" Phone Jacks



NYS 216  
Horizontal Jack



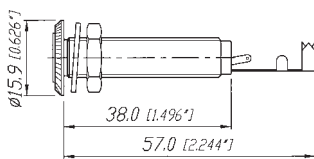
NYS 2202  
Long Bushing



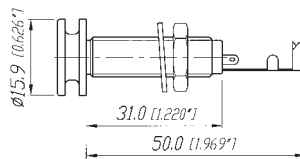
NYS 230  
Open Jack

- Robust and reliable jacks in metal or plastic housing
- Horizontal and vertical PCB-mount
- Extra long-threaded bushing for thick panel and guitar bodies
- Plastic nut or chrome ferrule nut
- Kinked solder pins secure jack to PCB

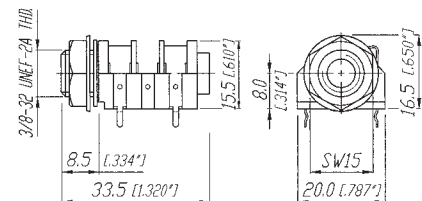
### NYS 220



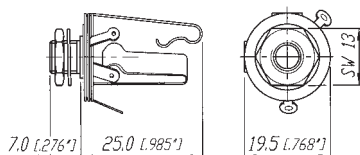
### NYS 221



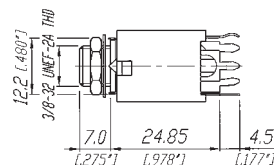
### NYS 2162



### NYS 230



### NYS 232



## Ordering Information

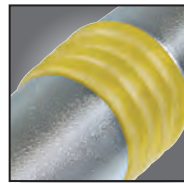
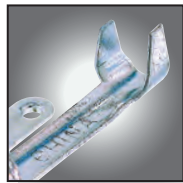
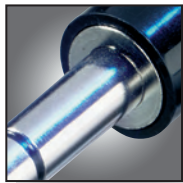
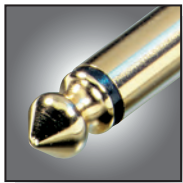
| Type No.                                       | Mono 2 pole | Stereo 3 pole | Description                                                                                                             | Distance to PCB |
|------------------------------------------------|-------------|---------------|-------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1/4 " long bushing jacks                       |             |               |                                                                                                                         |                 |
| NYS 2202                                       | •           |               | Jack for thick panels, long-threaded bushing with washer and nut, full metal                                            | –               |
| NYS 2203                                       |             | •             | Jack for thick panels, long-threaded bushing with washer and nut, full metal                                            | –               |
| NYS 221                                        |             | •             | Jack with special design head for guitar strap, for thick panels, long-threaded bushing with washer and nut, full metal | –               |
| 1/4 " horizontal jacks (all contacts switched) |             |               |                                                                                                                         |                 |
| NYS 212                                        |             | •             | Plastic housing with washer and nut, solder tap version                                                                 | –               |
| NYS 2122                                       | •           |               | Plastic housing with washer and nut, solder tap version                                                                 | –               |
| NYS 215                                        |             | •             | With chrome ferrule nut                                                                                                 | 8.2 mm          |
| NYS 2152                                       | •           |               | With chrome ferrule nut                                                                                                 | 8.2 mm          |
| NYS 2152G                                      | •           |               | With chrome ferrule nut and gold contacts                                                                               | 8.2 mm          |
| NYS 2152G-DHU                                  | •           |               | Solder tap version with chrome ferrule nut, gold contacts, bulk packaging                                               | –               |
| NYS 216                                        |             | •             | Plastic housing with washer and nut                                                                                     | 8.2 mm          |
| NYS 216H                                       |             | •             | Plastic housing with washer and nut, half threaded nose                                                                 | 8.2 mm          |
| NYS 2162                                       | •           |               | Plastic housing with washer and nut                                                                                     | 8.2 mm          |
| NYS 2162H                                      | •           |               | Plastic housing with washer and nut, half threaded nose                                                                 | 8.2 mm          |
| NYS 216G                                       |             | •             | With gold contact                                                                                                       | 8.2 mm          |
| NYS 218                                        |             | •             | With extra long contacts                                                                                                | 15.0 mm         |
| NYS 2182                                       | •           |               | With extra long contacts                                                                                                | 15.0 mm         |
| NYS 219                                        |             | •             | With long contacts                                                                                                      | 12.5 mm         |
| NYS 2192                                       | •           |               | With long contacts                                                                                                      | 12.5 mm         |
| 1/4 " open jacks                               |             |               |                                                                                                                         |                 |
| NYS 229                                        | •           |               | 2 contacts, with washer and nut, panel thickness 3.5 mm                                                                 | –               |
| NYS 229L                                       | •           |               | 2 contacts, with longer threaded nose, washer and nut, panel thickness 6.5 mm, with 0.205" faston tabs                  | –               |
| NYS 230                                        |             | •             | 3 contacts, with washer and nut, panel thickness 3.5 mm                                                                 | –               |
| 1/4 " vertical jacks                           |             |               |                                                                                                                         |                 |
| NYS 232                                        |             | •             | Plastic housing, metal washer and nut, with tip and ring normalling contacts                                            | 24.85 mm        |

## Specification

Phone jacks

|                              |                             |
|------------------------------|-----------------------------|
| Electrical                   |                             |
| Rated current                | depends on mating connector |
| Contact resistance           | depends on mating connector |
| Insulation resistance        | ≥ 1 GΩ                      |
| Dielectric strength          | 500 V dc                    |
| Mechanical                   |                             |
| Lifetime                     | > 1'000 mating cycles       |
| Insertion / withdrawal force | ≤ 20 N / ≥ 10 N             |
| Solderability                | complies with IEC68-2-20    |
| Operating temperature        | -20°C to +70°C              |
| Material                     |                             |
| Housing / handle             | Brass Ni / Thermoplastic    |
| Insulation                   | Thermoplastic               |
| Contacts                     | Brass, SnCe / Au plated     |

# 1 / 4 " P l u g s



## 1/4" Phone Plugs



NYS 204



NYS 208



NYS 224G

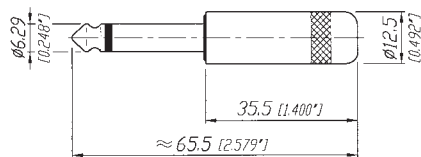


NYS 224C-6

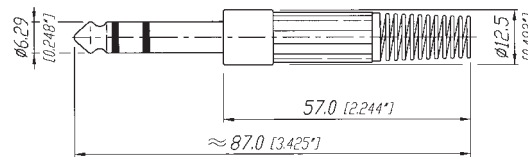
- Commercial 1/4" plugs and adapters
- All connectors according to EIA RS-453 / IEC 60603-11
- Short and long metal handles
- Plastic handle with flexible strain relief
- Heavy duty cable clamp for best strain relief

- Available with nickel, gold and black plating
- Large cable outlet and solder tabs
- Right angle version
- "Silent switch" on plug finger helps eliminate "pop" during insertion and withdrawal

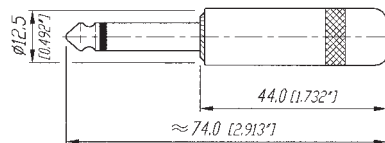
NYS 201



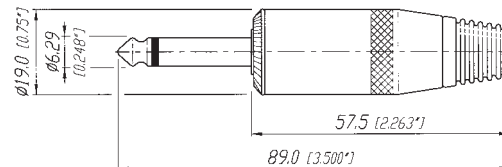
NYS 204



NYS 224



NYS 225



Part number coding: B .... black handle      G .... gold plated contacts      AG .... all gold, gold plated contacts and shell  
BG ... black handle, gold plated contacts      S .... silent switch      GT .... gold plated tip contact

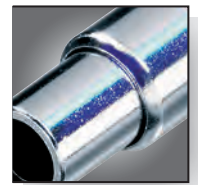
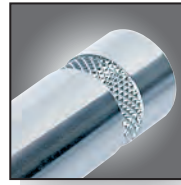
## Ordering Information

| Type No.                                       | Mono 2 pole | Stereo 3 pole | Description                                                   | Cable O.D. |
|------------------------------------------------|-------------|---------------|---------------------------------------------------------------|------------|
| 1/4" plugs short handle                        |             |               |                                                               |            |
| NYS 201                                        | •           |               | Short turned metal handle                                     | 6 mm       |
| NYS 201L                                       | •           |               | With large cable outlet                                       | 7.5 mm     |
| NYS 202                                        |             | •             | Short turned metal handle                                     | 6 mm       |
| NYS 202L                                       |             | •             | With large cable outlet                                       | 7.5 mm     |
| 1/4" plugs plastic handle                      |             |               |                                                               |            |
| NYS 203                                        | •           |               | Plastic handle with flexible strain relief                    | 6 mm       |
| NYS 204                                        |             | •             | Plastic handle with flexible strain relief                    | 6 mm       |
| 1/4" plugs right angle                         |             |               |                                                               |            |
| NYS 207                                        | •           |               | Metal housing, plastic bushing                                | 6 mm       |
| NYS 207-2                                      | •           |               | Metal housing, red cover & plastic bushing                    | 6 mm       |
| NYS 208                                        |             | •             | Metal housing, plastic bushing                                | 6 mm       |
| 1/4" plugs long handle                         |             |               |                                                               |            |
| NYS 224                                        | •           |               | Long polished diecast handle                                  | 6 mm       |
| NYS 224AG                                      | •           |               | With gold plated handle and contacts                          | 6 mm       |
| NYS 224BG                                      | •           |               | With black metal handle, gold plated contacts                 | 6 mm       |
| NYS 224G                                       | •           |               | With gold plated contacts                                     | 6 mm       |
| NYS 224GT                                      | •           |               | With gold plated tip contact                                  | 6 mm       |
| NYS 224L                                       | •           |               | With large cable outlet                                       | 8 mm       |
| NYS 224S                                       | •           |               | With tip switched to ground if not inserted (silent)          | 6 mm       |
| NYS 224C-*                                     | •           |               | Diecast handle with coloured coding ring & rubber flex relief | 6 mm       |
| NYS 228                                        |             | •             | Stereo version of NYS 224                                     | 6 mm       |
| NYS 228BG                                      |             | •             | With black metal handle, gold plated contacts                 | 6 mm       |
| NYS 228G                                       |             | •             | With gold plated contacts                                     | 6 mm       |
| NYS 228GT                                      |             | •             | With gold plated tip contact                                  | 6 mm       |
| *) 0-black, 2-red, 4-yellow, 5-green, 6-blue   |             |               |                                                               |            |
| 1/4" plugs with large shell for speaker cables |             |               |                                                               |            |
| NYS 225                                        | •           |               | Large metal handle, rubber bushing                            | 8 mm       |
| NYS 225B                                       | •           |               | With black metal handle                                       | 8 mm       |
| NYS 225L                                       | •           |               | With large cable outlet                                       | 9 mm       |
| NYS 225S                                       | •           |               | With tip switched to ground if not inserted (silent)          | 8 mm       |

## Specification

Phone  
plugs

|                                      |                                      |                             |
|--------------------------------------|--------------------------------------|-----------------------------|
| Electrical                           |                                      |                             |
| Rated current and contact resistance |                                      | depends on mating connector |
| Insulation resistance                |                                      | ≥ 1 GΩ                      |
| Dielectric strength                  |                                      | 500 V dc                    |
| Mechanical                           |                                      |                             |
| Lifetime                             |                                      | 1'000 mating cycles         |
| Solderability                        |                                      | complies with IEC68-2-20    |
| Operating temperature                |                                      | -20°C to +70°C              |
| Material                             |                                      |                             |
| Housing / handle                     | Zinc Diecast, Ni / Au / black plated | • (NYS 203 / 204 ABS)       |
| Insulation                           |                                      | Thermoplastic               |
| Contacts                             |                                      | Brass, Ni / Au plated       |
| Strain relief                        |                                      | Crimp type SnCe plated      |



## 3.5 mm Phone Plugs

## Cable Jacks & Adapters



NYS 226



NYS 231BG



NYS 2202P  
Cable jack



NYS 240  
Cable jack

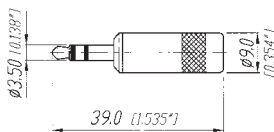


NYS 236  
Phone jack adapter

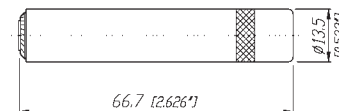
- Commercial 3.5 mm plugs
- All connectors according to EIA RS-453 / IEC 60603-11
- Heavy duty cable clamp for best strain relief
- Available with nickel and black plating
- Large cable outlet available

- Robust and reliable jacks (1/4" and 3.5 mm) in metal housing
- Heavy duty cable clamp
- Available with nickel and black plating
- 1/4" adapters to interconnect mono & stereo lines

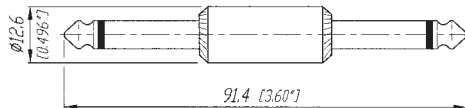
NYS 231



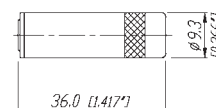
NYS 2202P



NYS 237



NYS 240



## Ordering Information

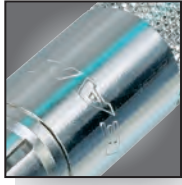
| Type No.                  | Mono 2 pole | Stereo 3 pole | Description                                                         | Cable O.D. |
|---------------------------|-------------|---------------|---------------------------------------------------------------------|------------|
| 1/4" plug & jack adapters |             |               |                                                                     |            |
| NYS 237                   | •           |               | Mono plug adapter to mate standard 1/4" jacks, full metal           | –          |
| NYS 239                   |             | •             | Stereo plug adapter to mate standard 1/4" jacks, full metal         | –          |
| NYS 236                   | •           |               | Mono jack adapter to mate standard 1/4" plugs, full metal           | –          |
| NYS 238                   |             | •             | Stereo jack adapter to mate standard 1/4" plugs, full metal         | –          |
| 3.5 mm plugs              |             |               |                                                                     |            |
| NYS 226                   | •           |               | Metal handle with crimp strain relief                               | 4 mm       |
| NYS 226B                  | •           |               | With black metal handle                                             | 4 mm       |
| NYS 226BG                 | •           |               | With black metal handle, gold plated contacts                       | 4 mm       |
| NYS 226G                  | •           |               | With gold plated contacts                                           | 4 mm       |
| NYS 226L                  | •           |               | With large cable outlet                                             | 6 mm       |
| NYS 227                   |             | •             | 3.5 mm plug to 1/4" stereo jack adapter, all metal                  | –          |
| NYS 231                   |             | •             | Metal handle with crimp strain relief                               | 4 mm       |
| NYS 231B                  |             | •             | With black metal handle                                             | 4 mm       |
| NYS 231BG                 |             | •             | With black metal handle, gold plated contacts                       | 4 mm       |
| NYS 231G                  |             | •             | With gold plated contacts                                           | 4 mm       |
| NYS 231L                  |             | •             | With large cable outlet                                             | 6 mm       |
| NYS 231LBG                |             | •             | With large cable outlet, black metal handle, gold plated contacts   | 6 mm       |
| NYS 231LL                 |             | •             | With x-large cable outlet                                           | 8 mm       |
| NYS 231BG-LL              |             | •             | With x-large cable outlet, black metal handle, gold plated contacts | 8 mm       |
| Cable jacks               |             |               |                                                                     |            |
| NYS 2202P                 | •           |               | 1/4" mono cable jack with metal handle                              | 6 mm       |
| NYS 2203P                 |             | •             | 1/4" stereo cable jack with metal handle                            | 6 mm       |
| NYS 240                   |             | •             | 3.5 mm stereo cable jack with metal handle                          | 4 mm       |
| NYS 240BG                 |             | •             | With black metal handle, gold plated contacts                       | 4 mm       |
| NYS 240L                  |             | •             | With large cable outlet                                             | 6 mm       |

## Specification

### Cable Jacks & 3.5 mm plugs

### Adapters

|                                                    |                                                                  |                                                                                                                                            |
|----------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical                                         |                                                                  |                                                                                                                                            |
| Rated current                                      | depends on mating connector                                      | depends on mating connector                                                                                                                |
| Contact resistance                                 | depends on mating connector                                      | depends on mating connector                                                                                                                |
| Insulation resistance                              | ≥ 1 GΩ                                                           | ≥ 1 GΩ                                                                                                                                     |
| Dielectric strength                                | 500 V dc                                                         | 500 V dc                                                                                                                                   |
| Mechanical                                         |                                                                  |                                                                                                                                            |
| Lifetime                                           | 1'000 mating cycles                                              | 1'000 mating cycles                                                                                                                        |
| Solderability                                      | complies with IEC68-2-20                                         | complies with IEC68-2-20                                                                                                                   |
| Insertion / withdrawal force                       | ≤ 20 N / ≥ 10 N                                                  | complies with IEC68-2-20                                                                                                                   |
| Operating temperature                              | -25°C to +70°C                                                   | -25°C to +70°C                                                                                                                             |
| Material                                           |                                                                  |                                                                                                                                            |
| Housing / handle - Zinc Diecast Ni/Au/black plated | 3.5 mm plugs                                                     | •                                                                                                                                          |
| - Brass, Ni/black plated                           | cable jacks                                                      | –                                                                                                                                          |
| Insulation                                         | Thermoplastic                                                    | Thermoplastic                                                                                                                              |
| Contacts                                           | Brass, Ni / Au plated                                            | Brass, Ni / Au plated                                                                                                                      |
| Strain relief                                      | Crimp type SnCe plated                                           | –                                                                                                                                          |
| Part number coding:                                | B .... black handle<br>BG ... black handle, gold plated contacts | G .... gold plated contacts<br>S .... silent switch<br>AG .... all gold, gold plated contacts and shell<br>GT .... gold plated tip contact |



## Phono ("RCA/Cinch")



NYS 352



NYS 354



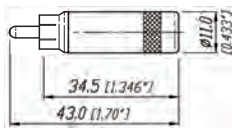
NYS 355



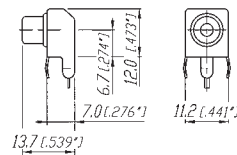
NYS 373-0

- Heavy duty phono plugs
- All metal
- Cable O.D. up to 7.2 mm
- Cable clamp or chuck type strain relief (NYS373\*)
- Phono receptacle for PCB-mounting
- Phono to phono female adapter

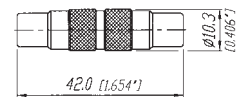
**NYS 352**



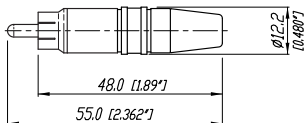
**NYS 354**



**NYS 355**



**NYS 373-\***





## Ordering Information

| Type No.            | Description                                                                          | Cable O.D.   |
|---------------------|--------------------------------------------------------------------------------------|--------------|
| Phono ("RCA/Cinch") |                                                                                      |              |
| NYS 352             | Phono plug                                                                           | 7.2 mm       |
| NYS 352AG           | Phono plug, all gold plated                                                          | 7.2 mm       |
| NYS 352B            | Phono plug with black metal handle                                                   | 7.2 mm       |
| NYS 352BG           | Phono plug with gold plated contacts and black metal handle                          | 7.2 mm       |
| NYS 352G            | Phono plug with gold plated contacts                                                 | 7.2 mm       |
| NYS 354             | Phono receptacle, PCB-mount, max. panel thickness 1.2 mm                             | –            |
| NYS 355             | Phono to phono female adapter                                                        | –            |
| NYS 367-*           | Phono chassis mount socket, gold plated contacts, color coding                       | –            |
| NYS 372P            | Phono jack with nickel plated contacts and handle                                    | 7.2 mm       |
| NYS 372P-BG         | Phono jack with gold plated contacts and black plated handle                         | 7.2 mm       |
| NYS 373-*           | Phono plug with gold plated contacts, black chromium shell, chuck type strain relief | 3.5 – 6.1 mm |

\*) 0 - black, 2 - red, 4 - yellow, 5 - green, 6 - blue, 9 - white

## Specification

Phono ("RCA/Cinch")

|                       |                                           |                                              |                                                  |
|-----------------------|-------------------------------------------|----------------------------------------------|--------------------------------------------------|
| Electrical            |                                           |                                              |                                                  |
| Rated current         |                                           | depends on mating connector                  |                                                  |
| Contact resistance    |                                           | depends on mating connector                  |                                                  |
| Insulation resistance |                                           | ≥ 1 GΩ                                       |                                                  |
| Dielectric strength   |                                           | 500 V dc                                     |                                                  |
| Mechanical            |                                           |                                              |                                                  |
| Lifetime              |                                           | > 1'000 mating cycles                        |                                                  |
| Solderability         |                                           | complies with IEC68-2-20                     |                                                  |
| Operating temperature |                                           | -25°C to +70°C                               |                                                  |
| Material              |                                           |                                              |                                                  |
| Housing / handle      |                                           | Zinc diecast or Brass Ni / Au / black plated |                                                  |
| Insulation            |                                           | Thermoplastic                                |                                                  |
| Contacts              |                                           | Brass, Ni / Au plated                        |                                                  |
| Strain relief         |                                           | - Crimp type SnCe plated                     | •                                                |
|                       |                                           | - Chuck tye (POM)                            | NYS 373                                          |
| Part number coding:   | B .... black handle                       | G .... gold plated contacts                  | AG .... all gold, gold plated contacts and shell |
|                       | BG ... black handle, gold plated contacts | S .... silent switch                         | GT .... gold plated tip contact                  |



## DIN Connectors



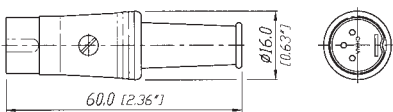
NYS 321



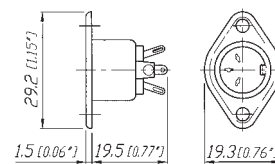
NYS 325

- Male cable connectors with rugged diecast shell
- Flexible bushing
- Gold or silver plated non-tarnishing contacts
- Heavy duty cable clamp
- Female receptacle, stamped housing
- Complete shielding with ground contact
- Nickel-plated shell

**NYS 321**



**NYS 324**



## Ordering Information

| Type No.                      | Description                                | Cable O.D. |
|-------------------------------|--------------------------------------------|------------|
| DIN male cable connectors     |                                            |            |
| NYS 321                       | 3 pole, with silver plated contacts        | 5.0 mm     |
| NYS 321G                      | 3 pole with gold plated contacts           | 5.0 mm     |
| NYS 322                       | 5 pole, with silver plated contacts        | 5.0 mm     |
| NYS 322G                      | 5 pole with gold plated contacts           | 5.0 mm     |
| NYS 322AG                     | 5 pole with gold plated shell and contacts | 5.0 mm     |
| NYS 323                       | 7 pole, with silver plated contacts        | 5.0 mm     |
| NYS 323G                      | 7 pole, with gold plated contacts          | 5.0 mm     |
| DIN female chassis connectors |                                            |            |
| NYS 324                       | 3 pole, with silver plated contacts        | –          |
| NYS 325                       | 5 pole, with silver plated contacts        | –          |
| NYS 326                       | 7 pole, with silver plated contacts        | –          |

## Specification

### DIN connectors

|                       |                                                                  |                                                                                                                                            |
|-----------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical            |                                                                  |                                                                                                                                            |
| Rated current         |                                                                  | depends on mating connector                                                                                                                |
| Contact resistance    |                                                                  | depends on mating connector                                                                                                                |
| Insulation resistance |                                                                  | $\geq 1 \text{ G}\Omega$                                                                                                                   |
| Dielectric strength   |                                                                  | 500 V dc                                                                                                                                   |
| Mechanical            |                                                                  |                                                                                                                                            |
| Lifetime              |                                                                  | > 1'000 mating cycles                                                                                                                      |
| Cable O.D.            |                                                                  | 5 mm                                                                                                                                       |
| Solderability         |                                                                  | complies with IEC68-2-20                                                                                                                   |
| Operating temperature |                                                                  | -25°C to +70°C                                                                                                                             |
| Material              |                                                                  |                                                                                                                                            |
| Housing / handle      | - Zinc diecast Ni/Au plated                                      | •                                                                                                                                          |
|                       | - Steel, Ni plated                                               | NYS 324 / 325 / 326                                                                                                                        |
| Insulation            |                                                                  | Thermoplastic                                                                                                                              |
| Contacts              |                                                                  | Brass, Ni / Au plated                                                                                                                      |
| Strain relief         |                                                                  | Crimp type Zn plated                                                                                                                       |
| Part number coding:   | B .... black handle<br>BG ... black handle, gold plated contacts | G .... gold plated contacts<br>S .... silent switch<br>AG .... all gold, gold plated contacts and shell<br>GT .... gold plated tip contact |

# Patch Box & Stage Boxes



## Patch Box



NYS-SSR-8

## Stage Boxes



NSB2A-20/4



NSB2B-12/4

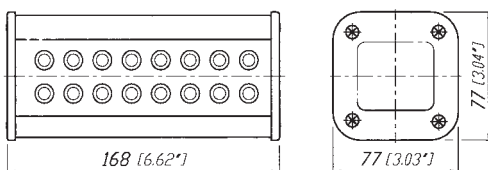


NSB1C-8/0

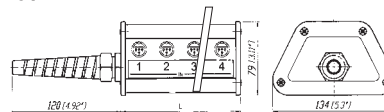
- "The Easy Way to Link your Audio System"
- 1/4" Patch box with 8 send/return moduls (split print)
- Metal housing – reliable and robust
- Easy to assemble, simple to use

- Modular system for individual size and configuration
- Designed to be in an individual combination of connectors for "IN" and "OUT" and length
- Easy to assemble
- 3 pole XLR IDC receptacles eliminate stripping and tinning of wires
- Self-adhesive labels for channel numbering not included. Must be ordered separately.
- Extremely price competitive

NYS SSR-8

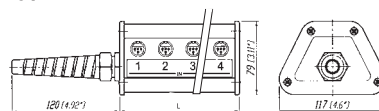


Type A



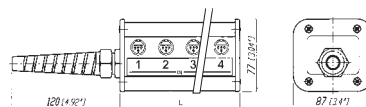
| Type A | L            |
|--------|--------------|
| NSB1A  | 132 (5.2')   |
| NSB2A  | 252 (9.93')  |
| NSB3A  | 372 (14.65') |
| NSB4A  | 491 (19.33') |

Type B



| Type B | L            |
|--------|--------------|
| NSB1B  | 132 (5.2')   |
| NSB2B  | 252 (9.93')  |
| NSB3B  | 372 (14.65') |

Type C



| Type C | L            |
|--------|--------------|
| NSB1C  | 132 (5.2')   |
| NSB2C  | 252 (9.93')  |
| NSB3C  | 372 (14.65') |

## Ordering Information

### Patch box

|           |                                                        |
|-----------|--------------------------------------------------------|
| NYS-SSR-8 | 1/4" patch box with 8 send/return moduls (split print) |
|-----------|--------------------------------------------------------|

### Stage boxes – type A

|            |                                                       |
|------------|-------------------------------------------------------|
| NSB1A-8/4  | Length 1, 8 IN (female/send) and 4 OUT (male/return)  |
| NSB2A-12/4 | Length 2, 12 IN (female/send) and 4 OUT (male/return) |
| NSB2A-20/4 | Length 2, 20 IN (female/send) and 4 OUT (male/return) |
| NSB3A-32/4 | Length 3, 32 IN (female/send) and 4 OUT (male/return) |
| NSB4A-40/4 | Length 4, 40 IN (female/send) and 4 OUT (male/return) |
| NSB4A-40/8 | Length 4, 40 IN (female/send) and 8 OUT (male/return) |

### Stage boxes – type B

|            |                                                       |
|------------|-------------------------------------------------------|
| NSB1B-8/0  | Length 1, 8 IN (female/send)                          |
| NSB2B-12/4 | Length 2, 12 IN (female/send) and 4 OUT (male/return) |
| NSB2B-16/0 | Length 2, 16 IN (female/send)                         |
| NSB3B-20/4 | Length 3, 20 IN (female/send) and 4 OUT (male/return) |

### Stage boxes – type C

|            |                                                       |
|------------|-------------------------------------------------------|
| NSB1C-8/0  | Length 1, 8 IN (female/send)                          |
| NSB2C-12/4 | Length 2, 12 IN (female/send) and 4 OUT (male/return) |
| NSB3C-20/4 | Length 3, 20 IN (female/send) and 4 OUT (male/return) |

(Supplied as disassembled set comprising of all hardware parts including plates, profiles, strain relief, endpieces and screws.)

## Specification

### 1/4" patch box

### Stage boxes

#### Electrical

|                       |                             |          |          |
|-----------------------|-----------------------------|----------|----------|
| Rated current         | depends on mating connector | •        | 2 A      |
| Contact resistance    | depends on mating connector | •        | < 5 mΩ   |
| Insulation resistance |                             | ≥ 1 GΩ   | ≥ 1 GΩ   |
| Dielectric strength   |                             | 500 V dc | 500 V dc |

#### Mechanical

|                              |                        |                                         |
|------------------------------|------------------------|-----------------------------------------|
| Lifetime                     | > 10'000 mating cycles | > 1'000 mating cycles                   |
| Insertion / withdrawal force | ≤ 10 N / ≥ 10 N        | ≤ 10 N / ≥ 10 N                         |
| Multicore cable O.D.         | –                      | 15/20 mm                                |
| Applicable wire size         | –                      | 0.22 mm² / 24 AWG and 0.14 mm² / 26 AWG |
| Operating temperature        | -25°C to + 70°C        | -25°C to + 70°C                         |

#### Material

|                     |                                                                  |                                                     |                                                                                     |
|---------------------|------------------------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------|
| Housing             |                                                                  | Aluminium                                           | Aluminium                                                                           |
| Quad plates         |                                                                  | –                                                   | POM                                                                                 |
| End pieces          |                                                                  | Thermoplastic                                       | Thermoplastic                                                                       |
| Contacts            | Brass/Bronze                                                     | Ni plated                                           | Au plated                                                                           |
| Part number coding: | B .... black handle<br>BG ... black handle, gold plated contacts | G .... gold plated contacts<br>S .... silent switch | AG .... all gold, gold plated contacts and shell<br>GT .... gold plated tip contact |

# Dual Banana Plugs



## Dual Banana Plugs



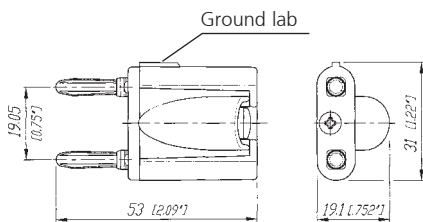
NYS 508-R



NYS 508-B

- Cable strain relief: teathed cable clamp featuring cable O.D. 6.0–10.5 mm
- Protection against electric shock: cable ends and plugs are completely covered in mated condition
- Gold plated contacts for tarnish resistance & long insertion life

### NYS 508-\*



## Ordering Information

| Type No.          | Description                     | Cable O.D.    |
|-------------------|---------------------------------|---------------|
| Dual banana plugs |                                 |               |
| NYS 508-R         | Dual banana plug, red housing   | 6.0 – 10.5 mm |
| NYS 508-B         | Dual banana plug, black housing | 6.0 – 10.5 mm |

## Specification

Dual  
banana plug

|                       |                          |
|-----------------------|--------------------------|
| Electrical            |                          |
| Rated current         | 20 A                     |
| Insulation resistance | $\geq 1 \text{ G}\Omega$ |
| Dielectric strength   | 500 V dc                 |

|                       |                       |
|-----------------------|-----------------------|
| Mechanical            |                       |
| Lifetime              | > 1'000 mating cycles |
| Operating temperature | -25°C to +50°C        |

|               |                     |
|---------------|---------------------|
| Material      |                     |
| Insulation    | Thermoplastic       |
| Contacts      | Brass plated        |
| Strain relief | Teethed cable clamp |

|                     |                                           |                             |                                                  |
|---------------------|-------------------------------------------|-----------------------------|--------------------------------------------------|
| Part number coding: | B .... black handle                       | G .... gold plated contacts | AG .... all gold, gold plated contacts and shell |
|                     | BG ... black handle, gold plated contacts | S .... silent switch        | GT .... gold plated tip contact                  |

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