

# Technical Data Sheet Communication Cables



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<b>PART NUMBER:</b>	<b>D438</b>
<b>DESCRIPTION:</b>	22 AWG.- 27 PAIR Stranded tinned copper conductors, individually shielded with an overall jacket.
<b>NEC RATING:</b>	CM, NEC Article 800
<b>APPROVALS:</b>	(UL) C(UL) Listed or c(ETL)us Listed
<b>APPLICATION:</b>	Indoor for: Intercom, Security, Sound, Audio, Background Music, and Power Limited Control Circuits.

## Construction Parameters:

Conductor	22 AWG Tinned Copper
Stranding	7x30
Insulation Material	Polyolefin
Insulation Thickness	0.006" Nom.
Number of Conductors	54 (27 Pair)
Shield	Each Pair 100% Aluminum Foil
Drain	Stranded Tinned Copper
Jacket Material	PVC
Jacket Thickness	0.047" Nom.
Overall Cable Diameter	0.678" Nom.
Approximate Cable Weight	180 Lbs/1M' Nom.
Flame Rating	UL 1685

## Electrical & Environmental Properties:

Temperature Rating	-20°C To +60°C
Operating Voltage	300 V RMS
Max.Capacitance Between Conductors @ 1 KHz	34 pf/ft Nom.
Capacitance Between Conductors to Shield @ 1 KHz	67 pf/ft Nom.
DC Resistance per Conductor @ 20deg C	17 Ohms/1M' Nom.
Insulation Colors	Black/Red, Black/White, Black/Green, Black/Blue, Black/Yellow, Black/Brown, Black/Orange, Red/White, Red/Green, Red/Blue, Red/Yellow, Red/Brown, Red/Orange, Green/White, Green/Blue, Green/Yellow, Green/Brown, Green/Orange, White/Blue, White/Yellow, White/Brown, White/Orange, Blue/Yellow, Blue/Brown, Blue/Orange, Brown/Yellow, Brown/Orange
Jacket Color	Gray
RoHS Compliant	Y

## Mechanical Properties:

Max. Recommended Pull Tension	511 Lbs.	Standard Lengths are 1000ft.
Min. Bend Radius (Install)	7.5"	The Jacket is sequentially footmarked.

Specification Issue Date: 7/14

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