

8788 Multi-Conductor - Special Audio, Communication and Instrumentation Cable

For more Information
please call

1-800-Belden1



General Description:

22 AWG stranded (7x30) TC conductors, PVC insulation, (3) conductors cabled and separately Beldfoil® Shielded (100% Coverage) with drain wires, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
5	22	7x30	TC - Tinned Copper

Total Number of Conductors: 5

Insulation

Insulation Material:

Insulation Material
PVC - Polyvinyl Chloride

Insulation Resistance: 100 Megaohms/1000 ft. @ 500 V DC

Inner Shield

Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)	Conductor Material
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100	Over Black Conductor
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100	Over Red Conductor
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100	Over Green Conductor
		Unshielded		Yellow
		Unshielded		Blue

Inner Shield Drain Wire AWG:

AWG
29

Inner Shield Drain Wire Stranding: Solid

Inner Shield Drain Wire Conductor Material: TCB - Tinned Cadmium Bronze

Inner Shield Filling Compound: Non-hygroscopic

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black (shielded)
2	Red (shielded)
3	Green (shielded)
4	Yellow
5	Blue

Overall Nominal Diameter: 5.994 mm

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Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
Non-UL Temperature Rating:	60°C
Bulk Cable Weight:	46.134 Kg/Km
Max. Recommended Pulling Tension:	202.393 N
Min. Bend Radius/Minor Axis:	63.500 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes

Flame Test

UL Flame Test:	UL1685 UL Loading, VW-1
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Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

111.554

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

49.215

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)

124.678

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

2.1 Amps per conductor @ 25°C

Notes (Overall)

Notes: (2) Unshielded conductors cabled around a non-hygroscopic filler. Drain wire for each conductor is tinned cadmium bronze ribbon under 100% Beldfoil® shield coverage. Nom. Capacitance Shield to Shield: 125.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8788 060500	500 FT	15.500 LB	CHROME		5 #22 PVC FS PVC

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