

## 8787 Multi-Conductor - Special Audio, Communication and Instrumentation Cable



For more Information  
please call

1-800-Belden1

**Description:**

24 and 22 AWG stranded (7x32 and 7x30) TC conductors, PVC insulation (22 AWG) / polyethylene insulation (24 AWG), cabled in quads, 24 AWG stranded TC drain wire, PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material
8	24	7x32	TC - Tinned Copper
2	22	7x30	TC - Tinned Copper

**Insulation****Insulation Material:**

Insulation Material	Wall Thickness (in.)	AWG
PE - Polyethylene	.012	24
PVC - Polyvinyl Chloride	.015	22

**Insulation Resistance:**

100 Megaohms/1000 ft. @ 500 V DC

**Inner Shield****Inner Shield Material:**

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100

**Inner Shield Material (Multi-AWG):**

AWG	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)	Description
24	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100	Over Quad
24	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100	Over Quad
22			Unshielded		Singles

**Inner Shield Drain Wire AWG:**

AWG
24

**Inner Shield Drain Wire Stranding:**

7x32

**Inner Shield Drain Wire Conductor Material:**

TC - Tinned Copper

**Inner Shield Waterblocking Tape:**

Gray, White, Blue, Green; Brown, Red, Yellow, Orange; White, Blue

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.030

**Overall Cable****Overall Cabling Color Code Chart:**

Number	Color	AWG	Group/Cond. Color
1	Red Quad	24	Red Quad
2	White	22	White
3	Green Quad	24	Green Quad
4	Blue	22	Blue

**Overall Nominal Diameter:**

0.290 in.

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## Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
Non-UL Temperature Rating:	80°C
Bulk Cable Weight:	45 lbs/1000 ft.
Max. Recommended Pulling Tension:	62.200 lbs.
Min. Bend Radius (Install)/Minor Axis:	5.600 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes

## Flame Test

UL Flame Test:	VW-1, UL1685 UL Loading
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## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

## Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/1000 ft)
24 AWG	23.9
22 AWG	15

## Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
5

## Max. Operating Voltage - Non-UL:

Voltage
350 V RMS

## Max. Recommended Current:

Current
1.5 Amps per conductor @ 25°C (24 AWG); 2.0 Amps per conductor @ 25°C (22 AWG)

## Notes (Overall)

**Notes:** Inner Beldfoil® shield over 24 AWG quads. Each quad wrapped in transparent polyester tape. Red Beldfoil® shield over one quad, Green Beldfoil® shield over the other. (2) quads and (2) unshielded conductors cabled.

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8787 060U500	500 FT	24.000 LB	CHROME		2 #22, 8 #24 FS PVC
8787 060500	500 FT	24.000 LB	CHROME	C	2 #22, 8 #24 FS PVC

Notes:

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C = CRATE REEL PUT-UP.

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