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1-800-Belden1



General Description:

6 - 22 AWG stranded (7x30) and 2 - 18 AWG stranded (16x30) tinned copper conductors, conductors cabled, PVC insulation, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	18	16x30	TC - Tinned Copper
6	22	7x30	TC - Tinned Copper

Total Number of Conductors: 8

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)	AWG
PVC - Polyvinyl Chloride	0.483	18
PVC - Polyvinyl Chloride	0.279	22

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.8128

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black (18 AWG)
2	White (18 AWG)
3	Red (22 AWG)
4	Green (22 AWG)
5	Brown (22 AWG)
6	Blue (22 AWG)
7	Yellow (22 AWG)
8	Orange (22 AWG)

Overall Nominal Diameter: 6.579 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2576)
Bulk Cable Weight:	69.945 Kg/Km
Max. Recommended Pulling Tension:	382.545 N
Min. Bend Radius/Minor Axis:	69.850 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2576 (150 V 80°C)
EU Directive 2011/65/EU (ROHS II):	Yes
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
MII Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	UL1685 FT4 Loading
CSA Flame Test:	FT4

Suitability

Sunlight Resistance:	Yes
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Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/km)
22 AWG	51.1836
18 AWG	22.3108

Max. Operating Voltage - UL:

Voltage	Description
300 V RMS	CMG
150 V RMS	UL AWM Style 2576

Max. Recommended Current:

Current
2.4 Amps per conductor @ 25°C (22 AWG)
4 Amps per conductor @ 25°C (18 AWG)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8448 060U1000	1,000 FT	49.000 LB	CHROME		2#18,6#22 PVC PVC
8448 0601000	1,000 FT	50.000 LB	CHROME	C	2#18,6#22 PVC PVC
8448 060500	500 FT	25.500 LB	CHROME	C	2#18,6#22 PVC PVC

Notes:

C = CRATE REEL PUT-UP.

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8448 Multi-Conductor - Antenna Rotor Cable

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