

5140F1 Multi-Conductor - Water-Blocked for Use in Underground Ducts



For more Information
please call

1-800-Belden1



Description:

14 AWG stranded (19x27) tinned copper conductors, PVC insulation, Beldfoil® shield (100% coverage), drain wire, water-blocking tape, PVC jacket.

Usage (Overall)

Suitable Applications: Low Volatage, Direct Burial, PLTC, FPL, Intercom, Sound, Audio

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	14	19x27	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.014

Outer Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
16	19x29	TC - Tinned Copper

Outer Shield Waterblocking Tape: Yes

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.042

Overall Cable

Overall Nominal Diameter: 0.326 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +105°C

UL Temperature Rating: 105°C

Bulk Cable Weight: 56 lbs/1000 ft.

Max. Recommended Pulling Tension: 135 lbs.

Min. Bend Radius (Install)/Minor Axis: 3.250 in.

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG, FPL, PLTC
CEC/C(UL) Specification:	CMG
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):	11/08/2006
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
Other Specification:	PLTC-ER

Flame Test

UL Flame Test:	UL1685 FT4/IEEE 1202 Vertical Tray Flame Test
C(UL) Flame Test:	FT4
Other Flame Test:	IEEE 1202

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Sunlight Resistance:	Yes

Plenum/Non-Plenum

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

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

83.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.05

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4

Max. Operating Voltage - UL:

Voltage

300 V RMS

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5140F1 0021000	1,000 FT	68.000 LB	RED	C	1 FS PR #14 PVC PVC
5140F1 0101000	1,000 FT	68.000 LB	BLACK	C	1 FS PR #14 PVC PVC

Notes:

C = CRATE REEL PUT-UP.

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