

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



5500F1 Multi-Conductor - Water-Blocked for Use in Underground Ducts - 2 Cond Cabled



For more Information
please call

1-800-Belden1



Description:

22 AWG tinned copper conductors, PVC insulation, cabled with overall water-blocking tape, PVC jacket with ripcord. Sequential footage marking every two feet.

Physical Characteristics (Overall)

Conductor

AWG:

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

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.010

Insulation Color Code Chart:

Number	Color
1	Black
2	Red

Outer Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

Drain Wire Conductor Material
TC - Tinned Copper

Outer Shield Waterblocking Tape:

Non-woven waterblocking tape

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.025

Outer Jacket Ripcord:

Yes

Overall Cable

Overall Cabling Lay Length & Direction:

Length (in.)
1.5

Overall Nominal Diameter:

0.196 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +105°C

Bulk Cable Weight: 15.700 lbs/1000 ft.

Max. Recommended Pulling Tension: 23.700 lbs.

Min. Bend Radius (Install)/Minor Axis: 2 in.

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

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): 10/01/2005

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 UL Loading

CSA Flame Test: FT1

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
46

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
82.8

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
16.1

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
16.8

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
2.8 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5500F1 0081000	1,000 FT	17.000 LB	GRAY	C	2 #22 PVC FS PVC
5500F1 0101000	1,000 FT	17.000 LB	BLACK		2 #22 PVC FS PVC

Notes:

C = CRATE REEL PUT-UP.

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