

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



For more Information
please call

1-800-Belden1



General Description:

Security & Alarm Cable, Rated-CM, 2-22 AWG stranded tinned copper conductors with PVC insulation, waterblocking tape, Beldfoil® shield and PVC jacket with ripcord

Physical Characteristics (Overall)

Conductor

AWG:

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

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.254

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:

AWG	Stranding	Drain Wire	Conductor Material
24	solid		TC - Tinned Copper

Outer Shield Waterblocking Tape: Non-woven waterblocking tape

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.635

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Lay Length & Direction:

Length (mm)
38.09985

Overall Nominal Diameter: 4.978 mm

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 23.365 Kg/Km

Max. Recommended Pulling Tension: 105.422 N

Min. Bend Radius/Minor Axis: 50.800 mm

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
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):	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
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Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
150.926

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
271.667

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
52.8241

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
55.1208

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
2.8 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5500F1 008Z1000	1,000 FT	19.000 LB	GRAY		2 #22 PVC FS PVC
5500F1 0081000	1,000 FT	17.000 LB	GRAY	C	2 #22 PVC FS PVC
5500F1 010Z1000	1,000 FT	19.000 LB	BLACK		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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