

## 580461 Multi-Conductor - Optical Detector Cable



**Picture  
Not Available**

For more Information  
please call

1-800-Belden1



### General Description:

20 AWG stranded (7x28) tinned copper conductors, HDPE insulation, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
3	20	7x28	TC - Tinned Copper

Total Number of Conductors: 3

#### Ground Wire

Ground Wire (Y/N): N

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (in.)
HDPE - High Density Polyethylene	.024

#### 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
20	7x28	TC - Tinned Copper

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.045

#### Overall Cable

##### Overall Cabling Color Code Chart:

Number	Color
1	Yellow
2	Blue
3	Orange

Overall Nominal Diameter: 0.280 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +80°C

Bulk Cable Weight: 42 lbs/1000 ft.

Max. Recommended Pulling Tension: 45 lbs.

Min. Bend Radius/Minor Axis: 2.800 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

EU Directive 2000/53/EC (ELV): Yes

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EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
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

### Suitability

Suitability - Outdoor:	Yes
Suitability - Burial:	Yes

### Plenum/Non-Plenum

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

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
8.9

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
580461 0105000	5,000 FT	210.000 LB	BLACK	C	3 #20 HDPE FS PVC

#### Notes:

C = CRATE REEL PUT-UP.

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