

## 1776 Multi-Conductor - Two-Conductor, Low-Impedance Cable



For more Information  
please call

1-800-Belden1



### General Description:

20 AWG stranded (19x32) high-strength tinned alloy conductors, EPDM rubber insulation, rayon braid, high-strength tinned alloy braid shield (85% coverage), cotton wrap, EPDM jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (mm)
2	20	19x32	Tinned Copper Alloy	0.940

Total Number of Conductors: 2

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
EPDM - Ethylene Propylene Diene Monomer Rubber	0.5842	2.1082

#### Outer Shield

##### Outer Shield Material:

Layer #	Type	Outer Shield Material	Coverage (%)
1	Braid	Cotton	
2	Braid	Tinned Copper Alloy	85.000

Outer Shield Separator Material: Cotton Wrap

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
EPDM - Ethylene Propylene Diene Monomer Rubber	0.889

#### Overall Cable

##### Overall Cabling Color Code Chart:

Number	Color
1	White
2	Black

Overall Cabling Separator Material: Rayon Braid

Overall Nominal Diameter: 6.655 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -50°C To +90°C

Non-UL Temperature Rating: 90°C

Bulk Cable Weight: 65.481 Kg/Km

Max. Recommended Pulling Tension: 1112.050 N

Min. Bend Radius/Minor Axis: 69.850 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II): Yes

METRIC MEASUREMENT VERSION

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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):	07/20/2011
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

### Plenum/Non-Plenum

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

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
108.273

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
190.298

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
37.732

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
20.342

#### Max. Operating Voltage - Non-UL:

Voltage
600 V RMS

#### Max. Recommended Current:

Current
4 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1776 010250	250 FT	12.500 LB	BLACK		2 #20 EPDM RAYON BRD CS EPDM

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