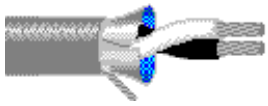
Detailed Specifications & Technical Data

BELDENCable

8762 Paired - Single-Pair Cable



For more information please call

1-800-Belden1

See Put-ups and Colors

Description:

20 AWG stranded (7x28) TC conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100% coverage), 20 AWG stranded TC drain wire, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	1
Total Number of Conductors	2
AWG	20
Stranding	7x28
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	PE - Polyethylene
Nom. Insulation Wall Thickness	.016 in.
Lay Length	1.5 in.
Twists/ft.	8

Pair Color Code Chart :

Number	Color
1	Black & Clear

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape
Outer Shield Material	Aluminum Foil-Polyester Tape w/Shorting Fold
Outer Shield %Coverage	100 %

OUTER SHIELD DRAIN WIRE :

Outer Shield Drain Wire AWG	20
Outer Shield Drain Wire Stranding	7x28
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride

8762 Paired - Single-Pair Cable

Outer Jacket Nominal Wall Thickness	.028 in.

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.204 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +60°C
UL Temperature Rating	60°C (UL AWM Style 2092)
Bulk Cable Weight	21.2 lbs/1000 ft.
Max. Recommended Pulling Tension	46 lbs.
Min. Bend Radius (Install)	2 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM
AWM Specification	UL Style 2092 (300 V 60°C)
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

FLAME TEST:

UL Flame Test	UL1685 UL Loading

PLENUM/NON-PLENUM:

Plenum (Y/N)	N

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	56 Ohms
Nom. Inductance	.18 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	27 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	49 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	9.5 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	3.9 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8762 060100	2 #20 PE FS PVC	100	3.2	CHROME	
8762 0601000	2 #20 PE FS PVC	1000	23	CHROME	C
8762 06010000	2 #20 PE FS PVC	10000	240	CHROME	C Y

8762 Paired - Single-Pair Cable

8762 0602000	2 #20 PE FS PVC	2000	46	CHROME	C
8762 060250	2 #20 PE FS PVC	250	6.25	CHROME	
8762 060500	2 #20 PE FS PVC	500	12	CHROME	C
8762 060U1000	2 #20 PE FS PVC	U1000	23	CHROME	
8762 060U500	2 #20 PE FS PVC	U500	12	CHROME	

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

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