

8777 Multi-Conductor - Shielded Twisted Pair Cable

22 AWG stranded (7x30) tinned copper conductors, polypropylene insulation, twisted pairs individually Beldfoil® Shielded (100% coverage), 22 AWG stranded tinned copper drain wire, PVC jacket.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8777 0601000	305 MT	19.051 KG	CHROME C		3 SHLD PR #22 PP PVC
8777 06010000	3,048 MT	204.118 KG	CHROME C Y		3 SHLD PR #22 PP PVC
8777 0601640	500 MT	30.500 KG	CHROME C		3 SHLD PR #22 PP PVC
8777 0605000	1,524 MT	95.255 KG	CHROME C		3 SHLD PR #22 PP PVC

Notes:

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'.

Physical Characteristics (Overall)**Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
3	22	7x30	TC - Tinned Copper	0.762

Insulation**Insulation Material:**

Insulation Material	Dia. (mm)
PP - Polypropylene	1.27

Inner Shield**Inner Shield Material:**

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum-Polyester	100
2		Tape	Polyester	100

Inner Shield Drain Wire AWG:

AWG
22

Inner Shield Drain Wire Stranding: 7x30**Inner Shield Drain Wire Conductor Material:** TC - Tinned Copper**Outer Shield**

Outer Shield Material:

Outer Shield Material

Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material

PVC - Polyvinyl Chloride

Overall Cabling

Overall Nominal Diameter:

6.934 x 0.000 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green

Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)
44.449825	22.475

Mechanical Characteristics (Overall)

Operating Temperature Range:

-20°C To +80°C

UL Temperature Rating:

80°C (UL AWM Style 2919)

Bulk Cable Weight:

60.719 Kg/Km

Max. Recommended Pulling Tension:

351.408 N

Min. Bend Radius (Install)/Minor Axis:

69.850 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards

NEC/(UL) Specification:

CM

CEC/C(UL) Specification:

CM

AWM Specification:

UL Style 2919 (30 V 80°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):

No

Plenum Number:

88777, 87777, 82777

Electrical Characteristics (Overall)

<http://www.vdom.com.cn>E-mail: sales@vdom.com.cn

TEL: 8610-6800 5160

Nom. Characteristic Impedance:

Impedance (Ohm)
50

Nom. Inductance:

Inductance (μH/m)
0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
98.43

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
180.455

Nominal Velocity of Propagation:

VP (%)
66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
49.215

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. 34.779 Ohm/km

C:

Max. Operating Voltage - UL:

Voltage
30 V RMS (UL AWM Style 2919)
300 V RMS (CM)

Max. Recommended Current:

Current
2 Amps per conductor @ 25°C

Revision Number: 1 Revision Date: 05-05-2008

E-MAIL: sales@vdom.com.cn