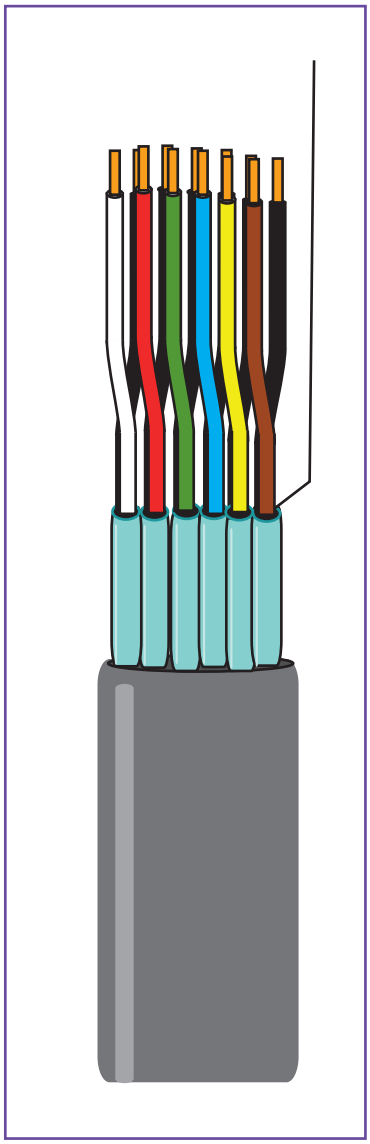
GEM CABLE SOLUTIONS

6 Pair Individually Screened Multipair Cable 18 AWG (Belden9774 LSHF Equiv.)

Part number: 511-006

Description:

18 AWG stranded (19x30) TC conductors, polypropylene insulation, twisted pairs, individually shielded w/Beldfoil® (100% coverage), 20 AWG stranded TC drain wire, PVC jacket.



Conductor

Number of pairs	AWG	Stranding	Conductor Material
6	18	19x30	TC- Tinned copper

Insulator

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.483

Outer Shield

Outer Shield Trade Name	Type	Outer shield material	Coverage (%)
Beldfoil® (Z-Fold®)	Tape	Aluminum foil-polyester tape	100

Outer Jacket

Outer Jacket Material	Nom. Wall Thickness (mm)
LSHF	1.321

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C
UL Temperature Rating: 80°C (UL AWM Style 2919)
Bulk Cable Weight: 235.136 Kg/Km
Max. Recommended Pulling Tension: 1574.663 N
Min. Bend Radius/Minor Axis: 146.050 mm
Overall Nominal Diameter: 14.224 mm

Electrical Characteristics

Impedance (Ohm): 50
Capacitance (pF/ft): 98.43
Nominal Velocity of Propagation: 66
DCR @ 20°C (Ohm/1000 ft): 20.9984
Max. Operating Voltage: 300 V RMS
Max. Recommended Current: 3.64 Amps per conductor @ 25 °C

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