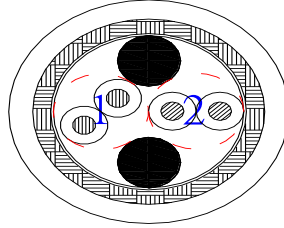


TECHNICAL DATA SHEET

Cable Diagram



Description

Cable Part Code*	Y59880S
Cable Type	2P x 18 AWG XLPE/OBS/PUR Multi Pair Control Cable
Based Standards	UL AWM 10847

Conductor

Conductor Material	Stranded Tinned Copper
Conductor Size	18 AWG
Conductor Stranding(No. of strands/diameter)	19/30

Insulation

No. of Pairs	2
Insulation Material	XLPE
Nom. Insulation Diameter(mm)	2.77 mm
Insulation Color Code	WHITE & BLUE, ORANGE & YELLOW

Shielding

Shielding Type	Overall BeldFoil® Plus 18 AWG Tinned Copper Drain Wire Plus Tinned Coppe Braid, 85% Nom Coverage
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Outer Jacket/Sheath Material

Outer Jacket Material	FRPU
Overall Diameter (mm)	12.45±0.25 mm

Physical/Mechanical Properties

Temperature Range	-40°C To +125°C -40°C To +105°C
Fire Retardant	FT1, VW-1, IEC 60332-1
Bending Radius	130 mm
Nom. Cable Weight (kg/km)	153 kg/km

Electrical Properties

Voltage Rating (V)	AWM 10847: 600V RMS
Max. Conductor Resistance @20°C	23.69 Ω/km
Max.Capacitance Core~Shielded (pF/ft)	77
Characteristic Impedance:	100+/-15 Ω @ 1-100MHz
Max.Capacitance Core~core (pF/ft)	39.1
Nom Velocity of Propagation	61%

Frequency (MHz)	Max. Attenuation (dB/100')	Max. NEXT (dB)	Nom. ELFEXT (dB)
1	0.56	63.7	64.4
4	1.50	52.6	53.7
10	2.76	50.0	50.2
16	3.68	46.4	48.7
20	4.14	44.7	45.7

*Ordering stock code will be created at the time of placing the order and the stock code will include cable part code, outer jacket color & putup length.

Belden Internal Reference Number

B-2380

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