TECHNICAL DATA SHEET

Cable Diagram
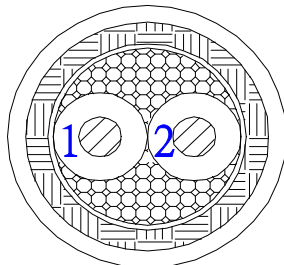
Description	
Cable Part Code*	YJ72958
Cable Description	1PR#18 TC/PP/OBS/PVC Foundation Fieldbus Cable
Cable References Standards	UL444, UL13, UL1581 IEC 61158‑2, FF 844

Conductor	
Conductor Material	Tinned Copper
Conductor Size (AWG)	18

Insulation	
No. of Cores / Pairs / Triads	1 Pair
Insulation Material	PP
Insulation Color Code & Identification	Blue * Orange

Shielding	
Shielded/Unshielded	Overall foil shield with tineed copper Braid
Overall Shield Material	Al-mylar tape
Tineed copper Braid (Coverage%)	70%(Nom.)

Outer Jacket/Sheath Material	
Outer Jacket Material	PVC
Nom. Outer Jacket Thickness (mm)	1.02
Nom. Overall Diameter (mm)	7.7

Physical/Mechanical Properties	
Temperature Rating (°C)	-25°C To +105°C
Nom. Cable weight (kg/km)	81

Electrical Properties	
Voltage Rating (V)	300
Max. Conductor Resistance @ 20°C (Ω/km)	23.2
Impedance at 31.25KHz (Ω)	100 ± 20%
Nominal inductance	0.75µH/m
Nom. Attenuation at 39KHz (dB/100m)	0.3
Capacitance Unbalance at 1KHZ (pF/m)	≦4
Nom. Mutual Capacitance @ 1KHz (pF/m)	80

*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   SZ-IB-0272