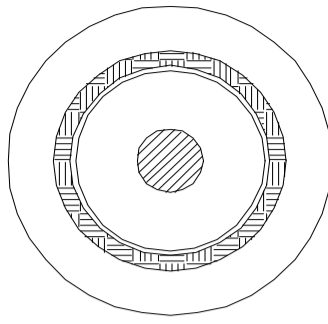


TECHNICAL DATA SHEET

Cable Diagram



Description	
Cable Part Code*	YJ52818
Cable Description	1X18AWG PE//OS/OBS/PVC

Conductor	
Conductor Material	BCCS - Bare Copper Covered Steel
Conductor Size	18AWG

Insulation	
No. of Cores / Pairs / Triads	1 Core
Insulation Material	Foam Polyethylene
Nom. Insulation Diameter (mm)	4.57

Shielding	
Overall Shield Tape	Bonded Aluminum Foil–Polyester Tape–Aluminum Foil
Shielded/Unshielded	Aluminum Braid
Overall Braid Shield Coverage (%) (Nom.)	60

Inner Jacket/Sheath Material	
Outer Jacket Material	PVC
Nom. Overall Diameter (mm)	6.65

Physical/Mechanical Properties	
UV Resistance	Yes (Black)
Flame / Fire Retardancy	VW-1

Electrical Properties			
Nom. Characteristic Impedance(Ohm)	75		
Max. Conductor DCR (Ω /1000m)	91.868		
Nom. Capacitance Conductor to Shield (pF/ft)	16.2		
Nominal Velocity of Propagation (VP) [%]	83		
Attenuation (dB/100m) Max.			
5(MHz)	1.9	600	16.73
55	5.25	750	18.54
211	10	870	20.04
250	10.82	1000	21.49
270	11.04	1300	24.49
300	11.64	1450	25.89
330	12.26	1750	28.67
350	12.63	2150	31.79
400	13.61	2600	35.3
450	14.43	2832	37.74
500	15.29	3000	38.84
550	16.08		

*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

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