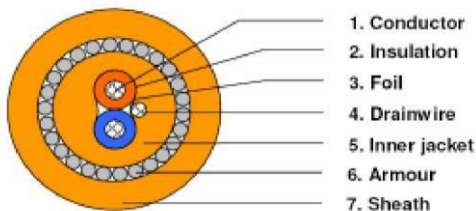


TECHNICAL DATA SHEET

Foundation Fieldbus – Type A /Profibus PA Application

Cable Diagram



Description

Cable Part Code*	YZ65744
Cable Description	1Pair 18WAG PO/OBS/PVC/SWA/FR PVC Armored Type-A FF/Profibus PA cable

Conductor

Conductor Material	Tinned Copper
Conductor Size	18AWG
Conductor Stranding(No. of strands/diameter or AWG)	7X26

Insulation

No. of Pairs	1
Insulation Material	PO - Polyolefin
Insulation Color Code	Blue & Orange

Overall Shield

Overall Shield Type	Aluminum Foil - Polyester Shield	Separator
Overall Shield Material	Aluminum Foil - Polyester Tape	PET – Polyester Tape
Overall Shield Coverage	100%	100%
Drain Wire	22 AWG Stranded Tinned Copper	

Inner Jacket/Sheath Material

Inner Jacket Material	PVC
Nom. Overall Diameter (mm)	7.0

Armour

Armour Type	SWA (Galvanized Steel Wire Armour)
Nom. Diameter Over Armor (mm)	8.8

Outer Jacket/Sheath Material

Outer Jacket Material	FR PVC
Nom. Overall Diameter (mm)	11.4

Physical/Mechanical Properties

Temperature Range	-20°C To +70°C
Flame Retardant	IEC 60332 - 1 - 2
UV / Sun Light Resistance	Yes
Min. Bending Radius (Install)	12 X OD
Nom. Cable Weight (kg/km)	255.23

Electrical Properties

Voltage Rating (V)	300 V RMS
Max. Conductor Resistance @20°C	23.2 Ω /km
Nom. Mutual Capacitance core to core @1KHz	78.7 pF/m
Max. Capacitance Unbalance	3.94 pF/m
Nom. Capacitance core to Shield @1KHz	147.6pF/m
Nom. Velocity of propagation	66%
Impedance @ 31.25KHz:	100+/-20 Ω
Max. Attenuation @ 39 KHz	0.3 dB/100m

*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.

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