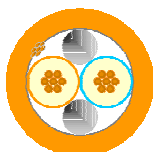
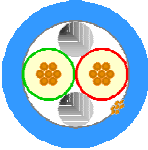




Foundation Fieldbus, Profibus PA, Cable			
O2YS(St+Ce)Y-fl			
1 x 2 x AWG 18/7			
orange			
			
Design description			
Conductor	stranded plain copper AWG 18		
Conductor insulation	Foamed PE with skin		
Colour code	(+)-core: orange, (-)-core: blue		
Braiding type	Pair stranding of wires with 2 complete core elements.		
Screen	Aluminium foil in contact with drain wire and tinned copper wire braid		
Sheath	Polyvinyl chloride PVC, orange, $\varnothing 7.9 \pm 0.3\text{mm}$		
Outer diameter	$\varnothing 7.9 \pm 0.3\text{mm}$		
Temperature range (during installation) (during operation)	-5 °C to +50 °C -40 °C to +70 °C		
Approval			
Fire	Flame retardant (IEC 60332-3)		
Chemical	Oil resistant (ICEA S-82-552)		
Weather	Sunlight resistant (UL1581 article 1200)		
	UL-File E107687 (PLTC), FISCO		
Electrical values			
Impedance at	31.25 kHz		
	$100 \Omega \pm 20 \Omega$		
Conductor resistance	max. 43.6 Ω/km		
Inductance	nom. 0.65 mH/km		
Mutual capacitance	max. 60 nF/km		
Capacitance unbalanced to earth	max. 2 nF/km		
Attenuation at 39kHz	max. 3.0 dB/km		
Propagation delay change (7.9 kHz – 39 kHz)	Max. 1.7 $\mu\text{s}/\text{km}$		



Foundation Fieldbus, Profibus PA, Cable			
O2YS(St+Ce)Y-fl			
1 x 2 x AWG 18/7			
blue (Ex i)			
			
Design description			
Conductor	stranded plain copper AWG 18		
Conductor insulation	Foamed PE with skin		
Colour code	(+)-core: orange, (-)-core: blue		
Braiding type	Pair stranding of wires with 2 complete core elements.		
Screen	Aluminium foil in contact with drain wire and tinned copper wire braid		
Sheath	Polyvinyl chloride PVC, blue, $\varnothing 7.9 \pm 0.3\text{mm}$		
Outer diameter	$\varnothing 7.9 \pm 0.3\text{mm}$		
Temperature range (during installation) (during operation)	-5 °C to +50 °C -40 °C to +70 °C		
Approval			
Fire	flame retardant (IEC 60332-3)		
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