

Part Number 34 - 1806

Product Description CSA FAS, 6C 18 AWG 1 Strand Bare Copper, SR-PVC Insulation, PVC Jacket, Not Shielded, Aluminum Interlocked Armour, 300V Cable

Specifications Reference CSA C22.2 No. 208 Fire Alarm and Signal Cables
Additional Specifications None

Standard Jacket Print

"DECAGUARD" 6C18AWG 105C CSA FAS105 FT4 300V AIA SUN RES LL81646 - - - ROHS
work order #, month, year, meter markings (every 1 meter)

Construction Details

Conductor

Description	18 AWG Solid Bare Copper
Standard	ASTM B3
Nominal Diameter	0.0403 inch (1.024 mm)

Insulation

Material	Semi-Rigid PVC
Thickness	0.015 inch (0.381 mm)
Nominal Diameter	0.073 inch (1.854 mm)

Conductors Identification

Colour	Black, Red, Green, Blue, Brown & Orange
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Bonding

Conductor	None
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Cable Core Assembly

Nominal Diameter	0.219 inch (5.563 mm)
Fillers	None

Jacket

Nominal Diameter	0.265 inch (6.731 mm)
Minimum Average Thickness	0.020 inch (0.508 mm)
Material	Flame Retardant Low Acid Gas PVC
Ripcord	POLYESTER
Color	RED

Armour

Interlocked Aluminum Armour

Electrical Parameters

Voltage	300 V	
Conductor Resistance	20.9505 Ohm/km @20C	6.3858 Ohm/1000 ft @20C
Inductive Reactance	0.1209 Ohm/km @60 Hertz	0.03684 Ohm/1000 ft @60 Hertz
Capacitance	82.15 pF/m	25.04 pF/ft
Inductance	0.31 µH/m	0.094 µH/ft
Impedance	43.59 Ohm	

Mechanical Parameters

Flame Test Rating	CSA FT4	
Temperature Rating	to 105C	
Overall Cable Diameter	0.440 inch (11.176 mm)	
Cable Weight	122.77 kg/km	82.50 lbs/1000 ft
Copper Content	44.77 kg/km	30.09 lbs/1000 ft
Max Pull Tension (Eye)	48.62 kgf	107.19 lbf
Min Bending Radius	89 mm (installed)	3.5 inch (installed)
Min Installation Temperature	-10C	

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