

Part Number 30 - 340

Product Description CSA FAS, 10C 18 AWG 1 Strand Bare Copper, SR-PVC Insulation, Flame Retardant PVC Jacket, Not Shielded, 300V Cable

Specifications Reference CSA C22.2 No. 208 Fire Alarm and Signal Cables

Additional Specifications

Cable Markings

"DECAGUARD" 10C18AWG 105C CSA FAS105 FT4 300V 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)
Type	Solid

Insulation

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

Conductors Identification

Colour	Deca Colour Chart #26
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Bonding

Conductor	None
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Cable Core Assembly

Nominal Diameter	0.286 inch (7.276 mm)
Fillers	None

Jacket

Nominal Diameter	0.356 inch (9.054 mm)
Minimum Average Thickness	0.032 inch (0.813 mm)
Material	Flame Retardant Low Acid Gas PVC
Ripcord	POLYESTER
Color	Red

Electrical Parameters

Voltage Rating	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 (HF)	0.307 µH/m	0.094 µH/ft
Impedance	43.59 Ohm	

Mechanical Parameters

Flame Test Rating	CSA FT4	
Temperature Rating	to 105C	
Overall Cable Diameter	0.356 inch (9.054 mm)	
Cable Weight	133.84 kg/km	89.94 lbs/1000 ft
Copper Content	75.35 kg/km	50.64 lbs/1000 ft
Max Pull Tension (Eye)	81.03 kgf	178.65 lbf
Min Bending Radius	72 mm (installed)	2.9 inch (installed)
Min Installation Temperature	-20C	

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