

Caledonian Windmill Cables

Communication Cable



PROFInet AWG 22/19

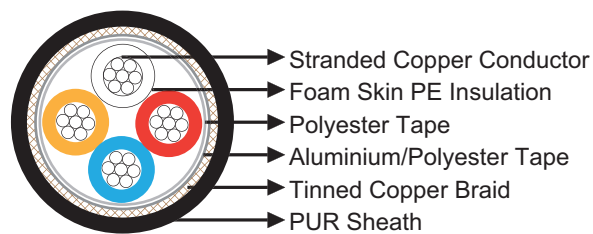
» Application

These cables are designed especially for extreme industrial applications, suitable for Ethernet applications.

» Standards

PROFInet Draft

» Construction



Conductor: Tinned copper AWG 22/19.

Insulation: Foam skin PE.

Cable Element: Star quad.

Screen 1: Polyester tape over stranded bundle.

Screen 2: Aluminium/Polyester tape.

Overall Screen: Tinned copper braid.

Sheath: PUR.

» Technical Data

Operating Temperatures	-40°C~+80°C
Minimum Bending Radius	46mm
Impedance @1~100MHz	100Ohm +/-15%
Maximum Conductor Resistance @20°C	60Ohm/km
Nominal Mutual Capacitance	52nF/km
Minimum Insulation Resistance	0.5GOhm×km
Attenuation @10MHz	7.6dB/100m
Attenuation @16MHz	10dB/100m



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Attenuation @62.5MHz	26.5dB/100m
Attenuation @100MHz	41dB/100m
Next @10MHz	50.3dB
Next @16MHz	47.3dB
Next @62.5MHz	38.4dB
Next @100MHz	35.3dB
ACR @10MHz	42.7dB
ACR @16MHz	37.3dB
ACR @62.5MHz	11.9dB
ACR @100MHz	5.7dB
Flame Retardant	IEC 60332-1
Halogen Free	IEC 60754
Oil Resistant	Yes
UV Resistant	Yes

» Dimensions and Weight

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm	mm	kg/km
2×2×0.64	6.5	54

