

Caledonian Windmill Cables

Communication Cable



PROFINet AWG 22/1

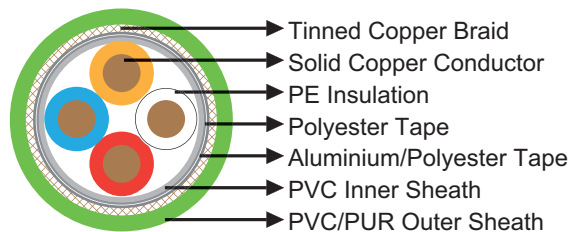
» Application

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

» Standards

PROFINet Draft

» Construction



Conductor: Bare copper 1×22AWG.

Insulation: PE.

Cable Element: Star quad.

Screen 1: Polyester tape over stranded bundle.

Screen 2: Aluminium/Polyester tape.

Overall Screen: Tinned copper braid.

Inner Sheath: PVC.

Outer Sheath: PVC/PUR.

» Technical Data

Operating Temperatures	-40°C~+70°C
Minimum Bending Radius	100mm
Impedance @1~100MHz	100Ohm +/-15%
Maximum Conductor Resistance @20°C	62Ohm/km
Nominal Mutual Capacitance	50nF/km
Minimum Insulation Resistance	0.5GOhm×km
Attenuation @10MHz	5.2dB/100m



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Attenuation @16MHz	6.9dB/100m
Attenuation @62.5MHz	15dB/100m
Attenuation @100MHz	19.5dB/100m
Next @10MHz	70dB
Next @16MHz	65dB
Next @62.5MHz	55dB
Next @100MHz	50dB
ACR @10MHz	64.8dB
ACR @16MHz	58.1dB
ACR @62.5MHz	40dB
ACR @100MHz	30.5dB
Flame Retardant	IEC 60332-1
Silicone Free	Yes
UV Resistant	Yes

» Dimensions and Weight

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm	mm	kg/km
2×2×0.64 (PVC outer sheath)	6.5	67
2×2×0.64 (PUR outer sheath)	6.5	64

