

# Caledonian Windmill Cables

## Communication Cable



### PROFInet AWG 22/7

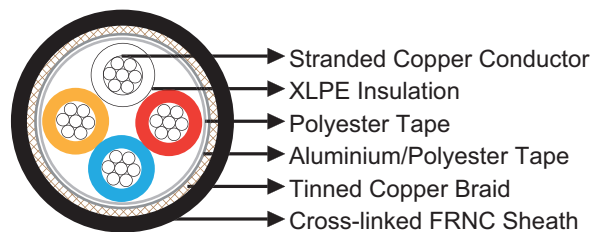
#### » Application

These cables with oil-resistant FRNC sheath and increased temperature resistance are designed for extreme industrial applications in the wind turbine area and similar sectors.

#### » Standards

PROFInet Draft

#### » Construction



**Conductor:** Tinned copper AWG 22/7 (Section 0.34 mm<sup>2</sup>).

**Insulation:** XLPE.

**Cable Element:** Star quad.

**Screen 1:** Polyester tape over stranded bundle.

**Screen 2:** Aluminium/Polyester tape.

**Overall Screen:** Tinned copper braid.

**Sheath:** Cross-linked FRNC.

#### » Technical Data

Operating Temperatures	-40°C~+105°C
Minimum Bending Radius	46mm
Impedance @1~100MHz	100Ohm +/-15%
Maximum Conductor Resistance @20°C	60Ohm/km
Nominal Mutual Capacitance	57nF/km
Minimum Insulation Resistance	0.5GOhm×km
Attenuation @10MHz	6.3dB/100m
Attenuation @16MHz	8dB/100m



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Attenuation @62.5MHz	16.5dB/100m
Attenuation @100MHz	21.3dB/100m
Next @10MHz	70dB
Next @16MHz	65dB
Next @62.5MHz	55dB
Next @100MHz	50dB
ACR @10MHz	63.7dB
ACR @16MHz	57dB
ACR @62.5MHz	38.5dB
ACR @100MHz	28.7dB
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 <sup>2</sup>	mm	kg/km
2×2×0.34	6.5	64

