

# Profibus DP Marin Arctic Grade SHF2

1x2x22AWG/7

LSZH

UV-resistant SHF2

RMRS

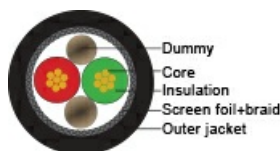
## Application

Shielded BUS-cable for Arctic environment, certified for use in ship and offshore installations. The cable is low smoke, zero halogen, UV-resistant.



## Construction

Conductor	0.35 [mm <sup>2</sup> ] tinned Cu 7x0,254 [mm] AWG 22/7
Insulation	Foamskin PE 2.55±0.05 [mm]
No. of pairs	1
Colour code	Red, green
Filler	PP
Screen	Al/Mylar
Screen 2	Tinned Cu braid 60 [% optical coverage]
Jacket	Blue SHF2
O.D.	7,8 [mm]
Jacket marking	NEK Kabel - Profibus DP - Marine - 1x2x0.35mm <sup>2</sup> - SHF2 Arctic Grade - RS - IEC 60332-3-22 - <*****> - <DD/MM/YYYY> - ****M



## Specifications

Operating temperature normal	-55 – +80 [°C]
Temperature @ installation	-25 – +60 [°C]
Test Voltage	1 [kV-DC] for 1 min.
Conductor resistance	≤55 [Ω/km]
Insulation resistance	≥1 [GΩ x km]
Capacitance	30 [pF/m] at 1kHz
Impedance	150±15Ω @ 3-20MHz 185±18.5Ω @ 38.4KHz 250±25Ω @ 9.6KHz
Attenuation	≤45dB/km @ 16MHz ≤22dB/km @ 4MHz ≤5dB/km @ 38.4KHz ≤3dB/km @ 9.6KHz



## Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1 and IEC 60754-2
Material properties, insulation and sheath	IEC 60092-360
Flame resistance	IEC 60332-3-22
Flame retardant	IEC 60332-1-2
Cold bend and impact	Cold bend: CSA C22.2 (-55°C) Cold impact: CSA C22.2 (-55°C)
Smoke emission	IEC 61034-2 . ≥60%
Oil and fuel resistant	IRM 902 100°C x 24h
UV-resistant	UL 1581 (300H)
Certification	RS



Prod.no.	3010010
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