

# SEAFLEX PUR™ Cat 6 AWG 23/7

S/FTP

AWG 23/7 Flexible

HFFH, UV resist

Blue PUR, waterproof jacket

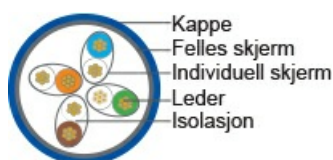
## Application

Robust Cat 6 data cable, designed for industrial and marine installations, PUR outer sheath provides cable protection against oil and moisture. Outdoor and indoor installation. For data collection from measurement points, alerts, video, etc. At 250 MHz, the maximum recommended installation length is 90 m.



## Construction

Conductor	Stranded Tinned Cu AWG 23/7 (7 x 0.23mm)
Insulation	Foam PE 1.55 ± 0.05 [mm]
No. of pairs	4
Colour code	pair 1: blue - white/blue pair 2: orange - white/orange pair 3: green - white/green pair 4: brown - white/brown
Individual Screen pairs	Al/Mylar tape
Overall Screen	Tinned Cu-braid ≥ 60 % [coverage]
Jacket	Blue PUR , tykkelse 0.60 [mm]
O.D.	8.50 ± 0.50 [mm]
Jacket marking	NEK KABEL - SEAFLEX PUR™ Cat6 S/FTP 4x2xAWG23/7 - <batch.nr.> - <DD/MM/YYYY> - ****M



## Specifications

Operating temperature normal	-40 – +80 [°C]
Temperature @ installation	-20 – +60 [°C]
Test Voltage	1000 [V-DC] i 1 min
Conductor resistance	≤ 90.9 [Ω/km]
Insulation resistance	≥ 5000 [MΩ x km]
Impedance	100 [Ω] (ANSI/TIA 568.2-D)
Min. bending radius	6 [x outer diam]

## Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1 & IEC 60754-2
Flame retardant	FT2, IEC 60332-1-2
Oil and fuel resistant	UL 758 seksjon15; JIS C 3005 type B
UV-resistant	UL 1581 section 1200
EX norm	EN 60079-14



Part No.	1089664
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## Table

Frequency [MHz]	Att. Max.(acc.EN) [dB/100m]	NEXT [dB]	PSNEXT [dB]	ACRF [dB]	PSACRF [dB]	RL [dB]
1	3.0	65.0	62.0	64.2	61.2	19.0
4	3.5	64.1	61.0	52.1	49.1	21.0
10	5.5	57.8	55.5	44.2	41.2	21.0
16	7.0	54.6	52.2	40.1	37.1	20.0
20	7.9	53.1	50.7	38.2	35.2	19.5
31.25	10.0	50.0	47.5	34.3	31.3	18.5
62.5	14.4	45.1	42.7	28.3	25.3	16.0
100	18.6	41.8	39.3	24.2	21.2	14.0
200	27.4	36.9	34.3	18.2	15.2	11.0
250	31.1	35.3	32.7	16.2	13.2	10.0