



AMOEXTREME



Class 5



Halogen-free
LSHF



Oil-resistant



Weather-resistant

AmoExtreme is a flexible 1 kV connection cable engineered for applications with high mechanical demands. Its robust design combines durability and electrical performance, making it suitable for harsh environments both onshore and offshore.

The insulation is rated for a conductor temperature of up to 90 °C, ensuring safe and reliable operation even under heavy load. The sheath is flame-retardant and offers excellent chemical resistance, supporting long service life in environments exposed to oils, fuels and other aggressive substances.

The halogen-free polyurethane (TPU) outer sheath provides a strong, smooth surface with high resistance to mechanical stress. Thanks to its flexibility, AmoExtreme is ideal for various applications, including ship-to-shore and offshore connections, where safety, durability and flexibility are essential.

APPLICATION

AmoExtreme is designed for extreme environments. The PUR outer sheath provides excellent resistance to mechanical stress and mineral oils. The cable is suitable for underwater installations down to 300 meters, making it ideal for fish farming applications. It can be customized to meet customer requirements, including hybrid designs combining power and control. Rated for 0.6/1 kV, AmoExtreme is manufactured in Sweden and designed for Nordic conditions.

STANDARDS

Conductor

IEC 60228 Class 5

Halogen free

IEC 60754-1

Oil resistance

IEC 60811-404

STANDARDS

Material

EN 50363-1

EN 50363-10-2

APPROVAL



CONSTRUCTION

Color

Orange (Other colours on request)

Conductor

Bare flexible copper

Fillers

Helical lapping tape (fillers if needed)

Insulation

Cross-linked EPR

Water max depth

300 m

Outer sheath

Thermoplastic Polyurethane

PROPERTIES

Conductor temperature

90 °C

Max temperature

85 °C

Min. temperature

-40 °C

AC Voltage rating U_0/U

0,6/1kV



Name	EAN Code	Outer diameter [mm]	Total weight [kg/km]	Installation Current in open air, ambient temperature 30°C [A]
AmoExtreme 3G1,5	7340060560155	10.1	111	18
AmoExtreme 4G1,5	7340060560308	11.2	140	18
AmoExtreme 5G1,5	7340060560452	12.1	164	18
AmoExtreme 3G2,5	7340060560094	11.2	152	26
AmoExtreme 4G2,5	7340060560315	12.5	193	26
AmoExtreme 5G2,5	7340060560469	13.6	227	26
AmoExtreme 3G4	7340060560094	12.4	207	34
AmoExtreme 4G4	7340060560322	13.8	265	34
AmoExtreme 5G4	7340060560513	15	314	34
AmoExtreme 3G6	7340060560186	13.7	279	44
AmoExtreme 4G6	7340060560339	15.4	360	44
AmoExtreme 5G6	7340060560520	16.7	427	44
AmoExtreme 1X10	7340060531469	8.4	134	98
AmoExtreme 3G10	7340060560100	15.8	416	61
AmoExtreme 4G10	7340060560339	17.7	540	61
AmoExtreme 5G10	7340060560537	19.3	645	61
AmoExtreme 1X16	7340060531476	9.5	196	132
AmoExtreme 3G16	7340060560209	18.1	613	82
AmoExtreme 4G16	7340060560353	20.4	799	82
AmoExtreme 5G16	7340060560544	22.2	961	82
AmoExtreme 1X25	7340060531483	11.2	293	179
AmoExtreme 3G25	7340060560216	21.8	929	108
AmoExtreme 4G25	7340060560360	24.5	1215	108
AmoExtreme 5G25	7340060560551	26.8	1462	108
AmoExtreme 1X35	7340060531490	12.6	395	218
AmoExtreme 3G35	7340060560223	24.8	1256	135
AmoExtreme 4G35	7340060560377	28	1647	135
AmoExtreme 5G35	7340060560568	30.6	1986	135

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Name	EAN Code	Outer diameter [mm]	Total weight [kg/km]	Installation Current in open air, ambient temperature 30°C [A]
AmoExtreme 1X50	7340060531506	14.3	549	276
AmoExtreme 3G50	7340060560230	28.5	1754	168
AmoExtreme 4G50	7340060560384	32.1	2304	168
AmoExtreme 5G50	7340060560117	35.2	2784	168
AmoExtreme 1X70	7340060531513	17	755	347
AmoExtreme 3G70	7340060560247	34.2	2434	207
AmoExtreme 4G70	7340060560391	38.7	3199	207
AmoExtreme 5G70	7340060560124	42.2	3859	207
AmoExtreme 1X95	7340060531520	18.6	1002	416
AmoExtreme 3G95	7340060560254	37.7	3223	250
AmoExtreme 4G95	7340060560407	42.6	4243	250
AmoExtreme 5G95	7340060562227	46.8	5134	250
AmoExtreme 1X120	7340060531537	20.9	1252	488
AmoExtreme 3G120	7340060560261	42.7	4048	292
AmoExtreme 4G120	7340060560414	48.4	5332	292
AmoExtreme 5G120	7340060562234	53.1	6446	292
AmoExtreme 1X150	7340060531544	23.2	1556	566
AmoExtreme 3G150	7340060560278	47.5	5043	335
AmoExtreme 4G150	7340060560421	53.9	6645	335
AmoExtreme 5G150	7340060562241	59.2	8035	335
AmoExtreme 1X185	7340060531551	25.2	1904	644
AmoExtreme 3G185	7340060560285	51.9	6174	382
AmoExtreme 4G185	7340060560438	58.9	8141	382
AmoExtreme 5G185	7340060562258	64.7	9852	382
AmoExtreme 1X240	7340060531568	29.1	2461	775
AmoExtreme 3G240	7340060560292	60.2	8024	453
AmoExtreme 4G240	7340060560445	68.3	10582	453
AmoExtreme 5G240	7340060560087	75.1	12790	453

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AmoExtreme 1X300	7340060531278	32.2	3058	898
AmoExtreme 1X400	7340060531575	34.7	4006	1026

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