



H07ZZ-F & UL/CSA 600V EPR/XLEVA Torsion Resistant Cable

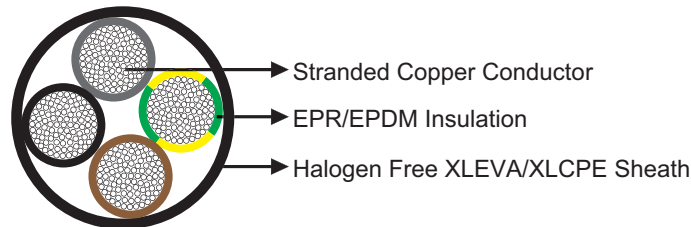
» Application

These halogen free cables with increased tolerance to torsion application, improved behaviour against abrasion and extended temperature, UV and ozone resistant are specially designed for wind turbines.

» Standards

UL/CSA 22.2
UL 758
HD 22.13

» Construction



Conductor: Stranded annealed bare copper, class 5 according to DIN VDE 0295/HD 383/IEC 60228.

Insulation: Special thermoset EPR for high temperature. Special cross-linked improved for EI8 and EI7 base on EPDM can be offered upon request.

Sheath: Special halogen free thermoset XLEVA. High mechanical performance special cross-linked EM8 synthetic halogen free rubber based on CPE can be offered upon request.

» Technical Data

Rated Voltage U ₀ /U (U _m)	CENELEC 450/750V; UL/CSA 600V
Operating Temperatures	-40°C~+90°C
Maximum Permissible Tensile Load	15 N/mm ²
Minimum Bending Radius	flexing: 6×OD; fixed: 4×OD
Torsion Application	+/-150°/m
Short-circuit Temperature	250°C



Caledonian Windmill Cables

Power Cable

Flame Retardant	IEC 60332-1/IEC 60332-3
Halogen Free	IEC 60754
Smoke Density	LSF EN 61034/IEC 61034
Oil Resistant	Yes
Ozone Resistant	Yes
UV Resistant	Yes
Water Resistant	Yes
Impact Resistant	Yes

» Dimensions and Weight

Construction No. of cores×mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
1×25	13.5	371
1×35	15.0	482
1×50	18.7	730
1×70	19.3	888
1×95	23.0	1220
1×120	25.5	1540
1×150	28.8	1810
1×185	31.4	2210
1×240	33.8	2750
1×300	37.7	3520
1×400	41.4	4510
3×120	56.0	5200
3×150	61.5	6400
3×240	72.0	9780
3×25	30.0	1420
3×35	35.3	1850
3×50	39.8	2480
3×70	43.8	3180
3×95	49.0	4260
3×120	52.8	5490
4G25	32.8	1870
4G35	36.3	2320
4G50	42.5	3150
4G70	48.2	4240
4G95	53.5	5480
4G120	58.3	6950

G: with green-yellow earth core

×: without green-yellow earth core