

AMOCHARGE Q-FLEX HELITWIST



Q-Flex Helitwist Cu consist of double insulated single core copper cables twisted together in triplex or quadplex configuration. Designed for 0,6/1kV AC and 1,5kV DC, suitable for use in short-circuit-proof installations, battery storage, charging stations och powerplant centrals outdoors. Q-Flex Helitwist is flexible, easy to work with and suitable for direct burial. The cables are XHFFR insulated, using flexible copper conductors in accordance with IEC 60228 class 5 to make installation and connection easy. Each of the single core cables have an outer sheathing before being twisted together, effective heat transfer hence higher current carrying capacity per conductor.

STANDARDS

- Conductor**
IEC 60228 Class 5
- Construction**
IEC 60502-1 (IAP)
- Halogen free**
IEC 60754-1
IEC 60754-2
- Material**
EN 50363-8
- Smoke density**
IEC 61034-1
IEC 61034-2
- Flame retardant**
IEC 60332-1-2

APPROVAL

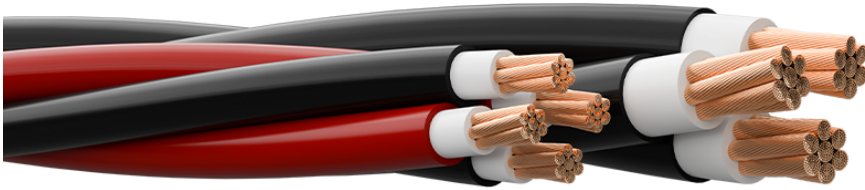


CONSTRUCTION

- Color**
Black (others on request)
- Conductor**
Class 5 bare flexible copper
- Insulation**
XHFFR
- Labeling example**
AmoCharge Q-Flex -size- 0,6/1kV AC 1,5kV DC YY/WW + meter marking
- Outer sheath**
HFFR

PROPERTIES

- Conductor temperature**
90 °C
- CPR class**
Dca
- Max temperature**
90 °C
- Min. temperature**
-30 °C
- AC Voltage rating $U_0/U (U_m)$**
0,6/1 (1,2)kv
- Voltage rating (DC)**
0,9/1,5 (1,8)kv



Name	Outer diameter [mm]	Installation Current in ground, ambient temperature 20°C [A]	Installation Current in open air, ambient temperature 30°C [A]
AmoCharge Q-flex Helitwist 3x1x35	26.1	115	169
AmoCharge Q-flex Heli Twist 4x1x35	29.2	111	160
AmoCharge Q-flex Heli Twist 3x1x50	29.1	135	207
AmoCharge Q-flex Heli Twist 4x1x50	32.6	131	194
AmoCharge Q-flex Heli Twist 3x1x70	35.3	166	268
AmoCharge Q-flex Heli Twist 4x1x70	39.6	162	248
AmoCharge Q-flex Heli Twist 3x1x95	37.7	196	328
AmoCharge Q-flex Heli Twist 4x1x95	42.2	191	302
AmoCharge Q-flex Heli Twist 3x1x120	43.3	223	383
AmoCharge Q-flex Heli Twist 4x1x120	48.8	217	350
AmoCharge Q-flex Heli Twist 3x1x150	49.6	251	444
AmoCharge Q-flex Heli Twist 4x1x150	54.5	245	403
AmoCharge Q-flex Heli Twist 3x1x185	53.2	281	510
AmoCharge Q-flex Heli Twist 4x1x185	59.6	274	460

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