

Technical Data for Cable Accessories Specification

Complete cable name:

Cable type: single core ☐ 3-core ☐ common screen ☐ screen over each core ☐

Conductor: aluminium ☐ copper ☐ class _____ cross section _____ [mm²]

Conductor design: round stranded ☐ round solid ☐
sector stranded ☐ sector solid ☐ multiwire (flexible) ☐
milliken ☐ water sealed ☐

Grid operation voltage: 6/10 (12) ☐ 12/20 (24) ☐ 19/33 (36) ☐
U₀/U_n (U_{max}) [kV] 6.35/11 (12) ☐ 12.7/22 (24) ☐ 20,8/36 (42) ☐
8.7/15 (17.5) ☐ 18/30 (36) ☐ 26/35 (40.5) ☐
_____ ☐

Diameter over conductor: _____ [mm] **Diameter over insulation:** _____ [mm]

Diameter over outer conductive layer: _____ [mm]

Insulation material: XLPE ☐ EPR ☐ Other: _____

Outer conductive layer type: extruded ☐ strippable ☐ graphite ☐

Metallic screen: _____ [mm²] copper wire ☐ copper tape ☐ Al ☐ PB (Lead) ☐ other _____
Short circuit current of the metallic screen _____ kA / 1.0 second

Inner jacket : ☐ Diameter _____ [mm] Thickness _____ (mm)

Armouring: Alu – wires ☐ No. of wires: _____ Diameter of one wire _____ [mm]
Alu – flat – strips ☐ No. of flat strips: _____ With / Thickness _____ [mm]
Steel – Wires or tapes ☐
Short circuit current of the armouring _____ kA / 1.0 second

Diameter over armouring _____ [mm] **Overall cable diameter** _____ [mm]

Conductive outer surface: ☐ **Cross – Waterproof (Al – foil under cable jacket)** ☐
Short circuit current of the Al – foil _____ kA / 1.0 second
Semi Cond – Tape between copper wire and al – foil: Yes/No _____

Technical Data for Cable Accessories Specification

Preferred conductor connection technology:

hexagonal crimping ☐ mechanical / screw type ☐

Preferred screen connection technology:

hexagonal crimping ☐ mechanical / screw – type ☐

Terminations:

☐ outdoor ☐ indoor

Equipment interface (bushing) for cable connectors:

EN 50180/81 – outer cone: A (250A) ☐ B (400A) ☐ C/C1 (630A) ☐ C/C2 (1250A) ☐ F (2500A) ☐

EN 50180/81 – inner cone: type 2 (800A) ☐ type 3 (1250A) ☐

Connectors:

☐ straight ☐ elbow / T

Coupling connectors:

☐ Installation on connector type: _____

Straight - Joints:

☐ joints ☐ crossbonding

Surge Arresters:

Nominal discharge current [kA] 5 ☐ 10 ☐ Line discharge class _____

Continuous operating voltage U_c _____ [kV] Rated Voltage U_r _____ [kV]

Installation on NKT connector type: _____ or direct on bushing:

EN 50180 – outer cone type B (400A) ☐ type C/C1 (630A) ☐ type C/C2 (1250A) ☐
type A (250A) ☐ type F (2500A) ☐

EN 50180 – inner cone type 2 (800A) ☐ type 3 (1250A) ☐

Comments / Additional informations:

Company: _____

Editor: _____

Date: _____