AYCWY

Underground cable with PVC insulation and PVC sheath, screened

DESIGN

1 | Aluminium conductor, round solid (RE), resp. sector-shaped stranded (SM)
2 | Core insulation (PVC)
3 | Inner covering (EPDM)
4 | Concentric screen (bare copper wires applied with changing direction of lay) and counter helix (copper tape)
5 | Sheath (PVC black, UV-resistant)

TECHNICAL DATA

Standard:
MSZ IEC 502, MSZ 146-6

Rated voltage:
0.6/1 kV

Test voltage:
4 kV/50 Hz

Temperature range:

laying temperature:	min. –5 °C
operating temperature:	–30 °C up to +70 °C
conductor temperature:	max. +70 °C
short-circuit temperature:	max. +160 °C/5 s

Bending radius (min.):
12 x ∅ of cable

Core identification:
HD 308 S2

Fire properties:
flame retardant:
EN 60332-1-2

APPLICATION

Power distribution cables in power stations, industrial installations and switchgears, as well as in local mains. For fixed installation underground, in interior premises, cable ducts, in the open air and in water – as permitted by the local building regulations – if protection against shock hazard in the event of mechanical damage or electrical screening is required. The concentric cean-der conductor can be used as PE or PEN conductor and needs not be cut when assembling branch joints.

Number of cores x nominal cross section/cross section of screen (mm^2)	Max. conductor resistance (Ω/km)	Current rating in the ground[1)] (A)	Current rating in the air[1)] (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/ packing (m)
AYCWY						
4 x 16 RE/10	1.910	76	63	23.0	850	500 D, 1,000 D
4 x 25 RE/10	1.200	99	83	26.7	1,160	500 D, 1,000 D
4 x 50 SM/25	0.641	142	124	35.3	1,680	500 D, 1,000 D
4 x 95 SM/35	0.320	211	190	45.4	2,780	500 D, 1,000 D
4 x 150 SM/50	0.206	270	252	53.6	3,750	500 D
4 x 240 SM/50	0.125	308	289	64.6	5,720	500 D

1) basic rated current acc. to MSZ IEC 502 , MSZ 146-6
Subject to technical changes.