

E-XYCY



Application

Outdoor application, protected from solar radiation. Direct buried, in trench or in ducts. Distribution and signal power cable for static outdoor application (with protection against direct UV-irradiation), in ground, in water, within facilities, in cable canals, in concrete, in conditions where heavier mechanical loads and specially tensile strains, are not expected. Used in electric power plants, transformer stations, industrial plants, metropolitan networks and in other electric plants, same as for connection of signalling devices in industry, traffic and similar.

Standards

ÖVE/ÖNORM E 8200-603
EN 60332-1-2

CE = The product is conformed with the EC Low-Voltage Directive 2014/35/EU.

Construction

Inner Conductor bare copper conductor solid or stranded, to DIN VDE 0295 cl. 1 or cl. 2
Core Insulation Polyvinylchloride (PVC)
Core Color HD 308 S2, 7 cores black with continuous white numbers printed
Stranding Elements multi cores stranded in layers
Inner Sheath Material filler sheath
Overall Shielding concentric conductors (copper wires) with copper tape for fixing
Outer Insulation Material Polyvinylchloride (PVC), black

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Technical Data

Nominal Voltage	U ₀ /U: 600 /1000 V
Nominal Volatage DC	U ₀ /U: 900 /1800 V
Test Voltage	4000 V
Bending Radius moved (xD)	12
Bending Radius fixed (xD)	0
Operating Temperature solid	-20 °C bis 70 °C
Operating Temperature moving	-5 °C bis 70 °C
Short Circuit Temperature	160 °C
Short Circuit Duration	5 sek.
Fire Classes	Eca

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Prod. Nr. Prod. Nr.	Option Option	Dimensions Dimensions	Color Color	Weight (kg/km) approx. Weight (kg/km) approx.	Outer-Diameter (mm) approx. Outer-Diameter (mm) approx.
01308122	O	2 x 4/16	black - black	452,0	15,3
01308043	J	3 x 2,5/16	black - black	396,0	13,9
01308129	J	3 x 240+120/35	black - black	9.917,0	59,9
01308083	O	4 x 1,5/16	black - black	386,0	13,8
01308052	O	4 x 2,5/16	black - black	441,0	14,8
01308053	O	4 x 4,0/16	black - black	549,0	16,9
01308054	O	4 x 6,0/16	black - black	670,0	18,4
01308055	O	4 x 10/16	black - black	886,0	20,7
01308056	O	4 x 16/16	black - black	1.189,0	23,4
01308123	O	5 x 2,5/16	black - black	486,0	15,7
01308057	J	5 x 2,5/16	black - black	486,0	15,7
01308084	J	5 x 4,0/16	black - black	618,0	17,9
01308097	J	5 x 6,0/16	black - black	769,0	19,8
01308146	O	5 x 10/16	black - black	1.024,0	22,2
01308089	J	5 x 10/16	black - black	1.024,0	22,2
01308096	J	5 x 16/16	black - black	1.369,0	24,8
01308098	J	5 x 25/16	black - black	2.013,0	30,1
01308051	J	5 x 35/16	black - black	2.568,0	33,1
01308111	J	5 x 50/25	black - black	3.771,0	39,8
01308134	J	5 x 70/35	black - black	5.041,0	44,2
01308137	J	5 x 95/16	black - black	6.552,0	49,8
01308145	J	5 x 95/35	black - black	6.677,0	50,5
01308142	J	5 x 120/16	black - black	7.933,0	54,0
01308081	O	7 x 1,5/16	black - black	486,0	15,9

Energiekabel 1kV Power Cables copper 1 kV



Prod. Nr. Prod. Nr.	Option Option	Dimensions Dimensions	Color Color	Weight (kg/km) approx. Weight (kg/km) approx.	Outer-Diameter (mm) approx. Outer-Diameter (mm) approx.
01308058	O	7 x 2,5/16	black - black	569,0	17,0
01308087	O	7 x 4,0/16	black - black	741,0	19,6
01308091	O	7 x 6,0/16	black - black	1.192,0	26,0
01308141	O	7 x 10/16	black - black	1.970,0	29,6
01308086	O	12 x 1,5/16	black - black	622,0	18,6
01308059	O	12 x 2,5/16	black - black	752,0	20,2
01308076	O	14 x 2,5/16	black - black	823,0	20,9
01308060	O	19 x 2,5/16	black - black	1.034,0	23,3
01308075	O	24 x 1,5/16	black - black	969,0	24,2
01308110	O	24 x 2,5/16	black - black	1.230,0	26,4
01308090	O	30 x 2,5/16	black - black	1.780,0	32,6

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