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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Energiekabel 1kV
Power Cables 1kV

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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Power Cables 1kV

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
01308143	J	5 x 240/16	black - black	14.844,0	85,0

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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.
01308081	O	7 x 1,5/16	black - black	486,0	15,9
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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