

E-YCY-O

Application

Power cables for energy supply are installed in open air, in underground, in water, indoors, in cable ducts, power stations, for industry and distribution boards as well as in subscriber networks, when increased mechanical protection respectively contact protection is required.

The materials used are free from silicon and cadmium and free from varnish damaging substances.

Standards

ÖVE K 23 and K 603,
flame retardant acc. to VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1

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, BS 6360 cl. 1 or cl. 2 and IEC 60228 cl. 1 or cl. 2
Core Insulation	Poly vinylchloride (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	Polyvinyl chloride (PVC), black



Application

Power cables for energy supply are installed in open air, in underground, in water, indoors, in cable ducts, power stations, for industry and distribution boards as well as in subscriber networks, when increased mechanical protection respectively contact protection is required.

The materials used are free from silicon and cadmium and free from varnish damaging substances.

Standards

ÖVE K 23 and K 603,
flame retardant acc. to VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1

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, BS 6360 cl. 1 or cl. 2 and IEC 60228 cl. 1 or cl. 2
Core Insulation	Poly vinylchloride (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	Polyvinyl chloride (PVC), black

Technical Data

Nominal Voltage	U ₀ /U: 600 /1000 V
Nominal Volatage DC	U ₀ /U: 0 /1800 V
Test Voltage	4000 V
Bending Radius fixed (xD)	15
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

Technical Data

Nominal Voltage	U ₀ /U: 600 /1000 V
Nominal Volatage DC	U ₀ /U: 0 /1800 V
Test Voltage	4000 V
Bending Radius fixed (xD)	15
Operating Temperature solid	-20 °C to 70 °C
Operating Temperature moving	-5 °C to 70 °C
Short Circuit Temperature	160 °C
Short Circuit Duration	5 sek.
Fire Classes	Eca

Prod. Nr.	Option	Dimensions	Color	Weight (kg/km) approx.	Outer-Diameter (mm) approx.
Prod. Nr.	Option	Dimensions	Color	Weight (kg/km) approx.	Outer-Diameter (mm) approx.
01308028	O	2 x 2,5/16	black - black	480,0	15,0
01308036	O	2 x 4/16	black - black	510,0	14,7
01308102	O	2 x 6/16	black - black	580,0	15,2
01308147	O	2 x 10/16	black - black	686,0	18,3
01308120	O	3 x 1,5/16	black - black	389,0	14,5
01308121	J	3 x 1,5/16	black - black	389,0	14,5
01308105	O	3 x 2,5/16	black - black	459,0	15,0
01308106	J	3 x 2,5/16	black - black	459,0	15,0
01308002	O	4 x 1,5/16	black - black	260,0	14,0
01308003	O	4 x 2,5/16	black - black	330,0	14,0
01308004	O	4 x 4/16	black - black	630,0	16,0
01308035	O	4 x 6/16	black - black	750,0	17,6
01308024	O	4 x 10/16	black - black	970,0	19,6
01308025	O	4 x 16/16	black - black	1.143,0	22,2
01308022	O	5 x 1,5/16	black - black	387,0	14,1
01308117	J	5 x 1,5/16	black - black	387,0	14,1
01308037	O	5 x 2,5/16	black - black	580,0	15,4
01308006	O	5 x 4/16	black - black	730,0	17,9
01308005	J	5 x 4/16	black - black	730,0	17,9
01308027	O	5 x 6/16	black - black	860,0	19,3
01308107	J	5 x 6/16	black - black	860,0	19,3
01308118	O-re	5 x 10/16	black - black	1.200,0	23,7
01308026	O-rm	5 x 10/16	black - black	1.200,0	23,7
01308119	J-re	5 x 10/16	black - black	1.200,0	23,7

Prod. Nr.	Option	Dimensions	Color	Weight (kg/km) approx.	Outer-Diameter (mm) approx.
Prod. Nr.	Option	Dimensions	Color	Weight (kg/km) approx.	Outer-Diameter (mm) approx.
01308034	O	5 x 16/16	black - black	1.475,0	26,0
01308109	J	5 x 16/16	black - black	1.475,0	26,0
01308007	O	7 x 1,5/16	black - black	540,0	17,0
01308013	O	7 x 2,5/16	black - black	630,0	16,3
01308138	J	7 x 2,5/16	black - black	630,0	16,3
01308038	O	7 x 4/16	black - black	950,0	19,1
01308140	O	7 x 6/16	black - black	1.192,0	26,0
01308008	O	10 x 1,5/16	black - black	660,0	18,1
01308014	O	10 x 2,5/16	black - black	800,0	19,9
01308031	O	12 x 1,5/16	black - black	700,0	17,6
01308023	O	12 x 2,5/16	black - black	890,0	20,4
01308009	O	14 x 1,5/16	black - black	750,0	19,2
01308015	O	14 x 2,5/16	black - black	980,0	21,4
01308033	O	16 x 1,5/16	black - black	720,0	21,0
01308018	O	16 x 2,5/16	black - black	1.100,0	23,0
01308010	O	19 x 1,5/16	black - black	900,0	20,9
01308017	O	19 x 2,5/16	black - black	1.180,0	24,0
01308011	O	24 x 1,5/16	black - black	1.110,0	24,2
01308016	O	24 x 2,5/16	black - black	1.450,0	27,4
01308012	O	30 x 1,5/16	black - black	1.260,0	25,5
01308019	O	30 x 2,5/16	black - black	1.630,0	28,7
01308020	O	37 x 1,5/16	black - black	1.300,0	27,8
01308139	O	52 x 1,5/16	black - black	1.620,0	32,0