

Power cable ≥ 1 kV, for permanent installation

E-YY-J

Power cable, PVC insulated, copper conductor

0.6/1 kV



ÖVE E 8200-603 (HD603). Zur festen Verlegung in Innenräumen, im Freien, in Erde, in Wasser und in Beton.

Characteristics	Properties	Unit
Conductor material	Copper	
Conductor surface	Bare	
Shape of conductor	Round	
Insulation	PVC	
Core identification	Colour	
Laminated sheath	No	
Fibre optic elements	No	
Protective conductor	Ja	
Inner semi-conducting layer	No	
Outer semi-conducting layer	No	
Screen	No	
Concentric conductor	None	
Armouring	No	

Characteristics	Properties	Unit
Material outer sheath	Polyvinyl chloride (PVC)	
Specification material outer sheath	Other	
Colour outer sheath	Black	
Conductive coating	No	
Longitudinal water blocking screen	No	
Reaction-to-fire class according to EN 13501-6	Eca	
Halogen free (acc. EN 60754-1/2)	No	
Flame retardant	In accordance with EN 60332-1-2	
Low smoke (acc. EN 61034-2)	No	
Minimum bending radius	12	x Außen-Ø
Max. conductor temperature	70	°C
Permitted cable outer temperature during assembling/handling	5 <=> 70	°C
Permitted cable outer temperature after assembling without vibration	-20 <=> 70	°C
Nominal voltage U0	0.6	kV
Nominal voltage U	1	kV
max. short circuit temperature	160	°C
Longitudinal water blocking conductors	No	

Conductor category	Metal number	Nominal cross section conductor	Number of cores	Outer diameter approx.	Individual length	Net weight	Packing
Class 1 = solid	Copper 192	4 mm ²	5 Stck	15 mm	Cut length	375 kg	Ring, drum
Class 1 = solid	Copper 288	6 mm ²	5 Stck	16 mm	Cut length	488 kg	Ring, drum
Class 2 = stranded	Copper 480	10 mm ²	5 Stck	19 mm	Cut length	758 kg	Ring, drum
Class 2 = stranded	Copper 768	16 mm ²	5 Stck	22 mm	Cut length	1088 kg	Ring, drum
Class 2 = stranded	Copper 384	10 mm ²	4 Stck	17 mm	Cut length	625 kg	Ring, drum
Class 2 = stranded	Copper 614	16 mm ²	4 Stck	20 mm	Cut length	893 kg	Ring, drum

Conductor category	Metal number	Nominal cross section conductor	Number of cores	Outer diameter approx.	Individual length	Net weight	Packing
Class 2 = stranded	Copper 1200	25 mm ²	5 Stck	26 mm	Cut length	1665 kg	Ring, drum
Class 2 = stranded	Copper 1680	35 mm ²	5 Stck	30 mm	Cut length	2213 kg	Ring, drum
Class 2 = stranded	Copper 2400	50 mm ²	5 Stck	33 mm	Cut length	2936 kg	Ring, drum