

Power cable

Single core, PVC insulated

H07V-U

450/750 V



According to VDE 0281 part 3.

Characteristics	Properties	Unit
Conductor material	Copper	
Shape of conductor	Round	
Conductor category	Class 1 = solid	
Number of cores	1	
Core insulation material	Polyvinyl chloride (PVC)	
Max. conductor temperature	70	°C
Protective conductor	No	
Screen	No	
Armouring/reinforcement	None	
Material outer sheath	Polyvinyl chloride (PVC)	
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	
Permitted cable outer temperature during assembling/handling	5 <=> 70	°C

Characteristics	Properties	Unit
Permitted cable outer temperature after assembling without vibration	-40 <=> 70	°C
Nominal voltage U0	450	V
Nominal voltage U	750	V
Minimum bending radius	4	x Außen-Ø
max. short circuit temperature	160	°C

Bruttogewicht pro Paletteinheit	Diameter conductor	Metal number	Nominal cross section conductor	Outer diameter approx.	Paletteinheit	Individual length	Net weight	Packing
467,280 kg	1.5 mm	Copper 14.4	1.5 mm ²	3 mm	24.000 m	100 m	19 kg	Ring
467,760 kg	1.5 mm	Copper 14.4	1.5 mm ²	3 mm	24.000 m	100 m	19 kg	Ring
467,520 kg	1.5 mm	Copper 14.4	1.5 mm ²	3 mm	24.000 m	100 m	19 kg	Ring
467,520 kg	1.5 mm	Copper 14.4	1.5 mm ²	3 mm	24.000 m	100 m	19 kg	Ring
467,760 kg	1.5 mm	Copper 14.4	1.5 mm ²	3 mm	24.000 m	100 m	19 kg	Ring
467,520 kg	1.5 mm	Copper 14.4	1.5 mm ²	3 mm	24.000 m	100 m	19 kg	Ring
467,520 kg	1.5 mm	Copper 14.4	1.5 mm ²	3 mm	24.000 m	100 m	19 kg	Ring
458,250 kg	2.5 mm	Copper 24	2.5 mm ²	4 mm	15.000 m	100 m	29 kg	Ring
458,100 kg	2.5 mm	Copper 24	2.5 mm ²	4 mm	15.000 m	100 m	29 kg	Ring
458,250 kg	2.5 mm	Copper 24	2.5 mm ²	4 mm	15.000 m	100 m	29 kg	Ring
458,100 kg	2.5 mm	Copper 24	2.5 mm ²	4 mm	15.000 m	100 m	29 kg	Ring
458,100 kg	2.5 mm	Copper 24	2.5 mm ²	4 mm	15.000 m	100 m	29 kg	Ring
458,100 kg	2.5 mm	Copper 24	2.5 mm ²	4 mm	15.000 m	100 m	29 kg	Ring
538,200 kg	4 mm	Copper 38	4 mm ²	4 mm	12.000 m	100 m	43 kg	Ring
538,320 kg	4 mm	Copper 38	4 mm ²	4 mm	12.000 m	100 m	43 kg	Ring
538,200 kg	4 mm	Copper 38	4 mm ²	4 mm	12.000 m	100 m	43 kg	Ring
538,200 kg	4 mm	Copper 38	4 mm ²	4 mm	12.000 m	100 m	43 kg	Ring
753,000 kg	6 mm	Copper 58	6 mm ²	5 mm	12.000 m	100 m	61 kg	Ring

Bruttogewicht pro Paletteinheit	Diameter conductor	Metal number	Nominal cross section conductor	Outer diameter approx.	Paletteinheit	Individual length	Net weight	Packing
753,000 kg	6 mm	Copper 58	6 mm ²	5 mm	12.000 m	100 m	61 kg	Ring
753,000 kg	6 mm	Copper 58	6 mm ²	5 mm	12.000 m	100 m	61 kg	Ring
753,000 kg	6 mm	Copper 58	6 mm ²	5 mm	12.000 m	100 m	61 kg	Ring
467,280 kg	1.5 mm	Copper 14.4	1.5 mm ²	3 mm	24.000 m	100 m	19 kg	Ring
467,280 kg	1.5 mm	Copper 14.4	1.5 mm ²	3 mm	24.000 m	100 m	19 kg	Ring
467,280 kg	1.5 mm	Copper 14.4	1.5 mm ²	3 mm	24.000 m	100 m	19 kg	Ring