

Sondertypen / Special Manufacturing

NYRY

Starkstromkabel, armiert
Power cable, armoured



Verwendung:

Distribution and signal power cable for static application, mostly in ground, but also in water, within and outside facilities, in cable canals, in concrete. Used in electric plants and other electric plants, in industry, metropolitan networks and for connection of signalling devices in industry, traffic and similar. Resistant to mechanical loads, able to sustain heavier mechanical tensile strains, could be laid slantingly or vertically, same as on grounds exposed to land-sliding.
[INDEX:20201001SQ]

Aufbau:

- Copper conductor, Class 1/2 acc to IEC 60228/DIN VDe 0295
- a) Class 1. solid round (RE)
- b) Class2. multi wire stranded, round (RM) or sector (SM), multi wire exceeding 50mm² are compacted
- PVC insulation
- extruded elastomer or plastomer compound or wrapped thermoplastic tape filler
- a layer of thin round galvanized steel wire armour
- PVC outer sheath, black

Technische Daten:

Leiter Werkstoff	Kupfer
Leiterklasse	Klasse 1 oder 2
Aderisolationwerkstoff	PVC
Aderkennung	Farbe VDE 0293; mehr als 5 Adern: Ziffern
Verseilung	Adern konzentrisch verseilt
Außenmantelwerkstoff	PVC
Mantelfarbe	schwarz
Nennspannung [V]	600 / 1000
Prüfspannung [V]	3500
Leiterwiderstand	
Isolationswiderstand	
Strombelastbarkeit	DIN VDE
kleinster Biegeradius fest [xd]	12 x d multi core 15x d single core
kleinster Biegeradius bewegt [xd]	
Betriebstemp. fest min/max [C]	-47°C bis +70°C
Betriebstemp. bew. min/mac [C]	-15°C bis +50°C
Temperatur am Leiter max.	
Brandverhalten	Flame Retardant IEC 60332-1-2 Fire Retardant IEC 60332-3-22-Cat A. (ng(A)-LS) Low smoke density: According to IEC 61034 (reduced light transmission no more than 50%)
Normen	

Application:

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Construction:

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Technical Data:

Conductor Material	Copper
Conductor class	Class 1 or 2
core insulation	PVC
core identification	colored acc. to HD 308; more than 5 cores: numbers
stranding	cores twisted concentrically
outer sheath	PVC
sheath colour	Black
rated voltage [V]	600 / 1000
testing voltage [V]	3500
conductor resistance	
insulation resistance	
current carrying capacity	DIN VDE
min. bending radius fixed [xd]	12 x d multi core 15x d single core
min. bending radius moved [xd]	
working temp fixed min/max [C]	-47°C up to +70°C
working temp moved min/mac [C]	-15°C up to +50°C
temp at conductor max.	
burning behaviour	Flame Retardant IEC 60332-1-2 Fire Retardant IEC 60332-3-22-Cat A. (ng(A)-LS) Low smoke density: According to IEC 61034 (reduced light transmission no more than 50%)
Approvals	

Kabel / Cable

Art Nr. Part No.	Adern x Querschnitt no. of cores x cross section	Außen Ø ca. mm outer Ø ca. mm	CU Gewicht kg/100m copper weight kg/100m	Gewicht kg/100m weight kg/100m
906030150	3 x 2.50	14.70	7.20	43.90
906030400	3 x 4	17.20	11.52	66.70
906031000	3 x 10	20.90	28.80	102.90
906040150	4 x 1.50	14.60	5.76	42.60
906040250	4 x 2.50	16.40	9.60	60.30
906043500/16	4 x 35 /16	33.70	136.75	297.75
9060418500/95	4 x 185 /95		735.90	0.00
906050150	5 x 1.50	16.30	7.20	58.10
906050250	5 x 2.50	17.40	12.00	67.30
906050600	5 x 6	20.90	28.80	102.70