

Starkstromkabel / Power Cables NYY-0/-J

Starkstromkabel nach VDE 0276
According to VDE 0276



Verwendung:

Verwendung als Steuer- und Energieversorgungskabel in Kraftwerken, Industrie- und Schaltanlagen.
Für die feste Verlegung im Freien, in der Erde, im Innenbereich und im Wasser sowie überall dort, wo mechanische Schäden nicht zu erwarten sind.
[INDEX:20201001SQ]

Aufbau:

- CU-Leiter blank
- Aderkennzeichnung:
 - 1-5-adrig: nach VDE 0293 (bunte Adern)
 - > 6-adrig: nummerierte Adern (JZ)
- PVC isolierte Adern
- Aufbau der Leiter nach VDE 0295, Klasse 1 ab 25mm² Klasse 2, ein- oder mehrdrähtig
- Adern konzentrisch verseilt
- Außenmantel PVC schwarz
- flammwidrig
- Biegeradius: einadrig: 15 x Ø ; mehradrig: 12 x Ø
- RE: runder Leiter eindrähtig
- RM: runder Leiter mehrdrähtig
- SM: sektorförmiger Leiter

Application:

As control and energy cable for indoor and outdoor installation, as well as in underground and water.
For stationary installation everywhere where no mechanical damages are expected.
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Construction:

- plain copper conductor
- core marking:
 - 1 to 5 cores: according to VDE 0293 (colour coded)
 - > 6-cores: number coded (JZ)
- core insulation made of PVC
- strand structure according to VDE 0295, class 1, class 2 from 25mm², single or multi-wire conductors
- cores twisted concentrically
- outer sheath made of PVC black
- flame-retardant
- Bending radius: single-core: 15 x Ø; multicore 12 x Ø
- RE: round conductor, solid
- RM: round conductor, stranded
- SM: sectorial conductor, stranded

Technische Daten:

Leiter Werkstoff	Kupfer, blank
Leiterklasse	DIN VDE 0295 Klasse 1 bzw. 2 ab 25mm ² , bzw. IEC 60228 cl. 1 oder 2
Aderisolationwerkstoff	PVC
Aderkennung	1-5-adrig: nach VDE 0293 (bunte Adern) > 6-adrig: nummerierte Adern (JZ)
Verseilung	Adern konzentrisch verseilt
Außenmantelwerkstoff	PVC
Mantelfarbe	Schwarz
Nennspannung [V]	600 / 1000 (1200)
Prüfspannung [V]	4000
Leiterwiderstand	
Isolationswiderstand	
Strombelastbarkeit	DIN VDE (s. technischer Anhang)
kleinster Biegeradius fest [xd]	einadrig: 15 x d mehradrig: 12 x d
kleinster Biegeradius bewegt [xd]	
Betriebstemp. fest min/max [C]	-47°C bis +70
Betriebstemp. bew. min/mac [C]	-15°C bis +50
Temperatur am Leiter max.	+70°C bei Betrieb +160°C im Kurzschlussfall
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	VDE 0276-603

Technical Data:

Conductor Material	Copper, bare
Conductor class	DIN VDE 0295 class 1 and 2 from 25mm ² resp. IEC 60228 cl. 1 or 2
core insulation	PVC
core identification	1 to 5 cores: according to VDE 0293 (colour coded) > 6 cores: number coded (JZ)
stranding	Cores twisted concentrically
outer sheath	PVC
sheath colour	Black
rated voltage [V]	600 / 1000 (1200)
testing voltage [V]	4000
conductor resistance	
insulation resistance	
current carrying capacity	DIN VDE (see technical guidelines)
min. bending radius fixed [xd]	single core: 15 x d multi core: 12 x d
min. bending radius moved [xd]	
working temp fixed min/max [C]	-47°C up to +70
working temp moved min/mac [C]	-15°C up to +50
temp at conductor max.	+70°C in operation +160°C in case of short-circuit
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	VDE 0276-603

Kontakt:

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
71010400 O	1 x 4 RE	9.10	3.80	11.00
70010600 J	1 x 6 RE	10.00	5.80	13.60
71010600	1 x 6 RE	9.50	5.80	13.00
70011000	1 x 10 RE	11.00	9.60	18.20
71011000	1 x 10 RE	10.20	9.60	18.00
70011600	1 x 16 RE	12.00	15.40	25.00
71011600	1 x 16 RE	11.20	15.40	24.00
70012500	1 x 25 RM	13.00	24.00	36.50
71012500	1 x 25 RM	12.20	24.00	35.00
70013500	1 x 35 RM	14.00	33.60	48.00
71013500	1 x 35 RM	14.00	33.60	46.00
70015000	1 x 50 RM	16.00	48.00	62.00
71015000	1 x 50 RM	15.50	48.00	60.00
70017000	1 x 70 RM	17.00	67.20	84.00
71017000	1 x 70 RM	17.00	67.20	80.00
70019500	1 x 95 RM	19.00	91.20	110.00
71019500	1 x 95 RM	19.00	91.20	110.00
700112000	1 x 120 RM	21.00	115.20	132.00
710112000	1 x 120 RM	20.50	115.20	135.00
700115000	1 x 150 RM	23.00	144.00	162.30
710115000	1 x 150 RM	23.00	144.00	165.00
700118500	1 x 185 RM	25.00	177.60	200.00
710118500	1 x 185 RM	26.00	177.60	200.00
700124000	1 x 240 RM	28.00	230.40	257.00
710124000	1 x 240 RM	29.00	230.40	260.00
700130000	1 x 300 RM	30.00	288.00	320.00
710130000	1 x 300 RM	32.00	288.00	320.00
710140000	1 x 400 RM	35.00	384.00	410.00
710150000	1 x 500 RM	38.00	480.00	520.00
710163000	1 x 630 RM	43.00	604.80	665.00
71020150	2 x 1.50 RE	11.00	2.90	17.00
71020250	2 x 2.50 RE	12.50	4.80	21.00
71020400	2 x 4 RE	14.00	7.70	29.00
71020600	2 x 6 RE	15.00	11.50	36.00
71021000	2 x 10 RE	16.00	19.20	49.00
71021600	2 x 16 RE	18.00	30.70	66.00

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
71022500	2 x 25 RM	24.00	48.00	94.00
70030150	3 x 1.50 RE	12.00	4.30	22.50
70030250	3 x 2.50 RE	13.00	7.20	27.50
70030400	3 x 4 RE	14.00	11.50	37.50
70030600	3 x 6 RE	15.00	17.30	48.00
70031000	3 x 10 RE	18.00	28.80	67.00
70031600	3 x 16 RE	19.00	46.10	88.00
70032500	3 x 25 RM	24.00	72.00	139.00
700032500	3 x 25 RM / 16 RE	25.00	87.40	158.00
70033500	3 x 35 SM	25.00	100.80	160.00
700033500	3 x 35 SM / 16 RE	26.00	116.20	170.00
70035000	3 x 50 SM	28.00	144.00	201.80
700035000	3 x 50 SM / 25 RM	30.00	168.00	233.00
70037000	3 x 70 SM	31.00	201.60	268.10
700037000	3 x 70 SM / 35 SM	35.00	235.20	290.00
70039500	3 x 95 SM	35.00	273.60	360.00
700039500	3 x 95 SM / 50 SM	37.00	321.60	390.00
700312000	3 x 120 SM	39.00	345.60	437.80
7000312000	3 x 120 SM / 70 SM	42.00	412.80	488.00
700315000	3 x 150 SM	44.00	432.00	490.00
7000315000	3 x 150 SM / 70 SM	47.00	499.20	58.00
700318500	3 x 185 SM	49.00	532.80	650.00
7000318500	3 x 185 SM / 95 SM	51.00	624.00	740.00
700324000	3 x 240 SM	53.00	691.20	830.00
7000324000	3 x 240 SM / 120 SM	59.00	806.40	970.00
7000330000	3 x 300 SM / 150 SM	66.00	1008.00	1120.00
70040150	4 x 1.50 RE	13.00	5.80	22.00
70040250	4 x 2.50 RE	14.00	9.60	30.00
70040400	4 x 4 RE	16.00	15.40	41.00
71040400	4 x 4 RE	15.00	15.40	40.00
70040600	4 x 6 RE	17.00	23.00	51.00
71040600	4 x 6 RE	17.00	23.00	51.00
70041000	4 x 10 RE	19.00	38.40	72.00
71041000	4 x 10 RE	19.00	38.40	72.00
70041600	4 x 16 RE	22.00	61.40	105.00
71041600	4 x 16 RE	22.00	61.40	105.00

Kontakt:

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
70042500	4 x 25 RM	26.00	96.00	165.00
71042500	4 x 25 RM	28.00	96.00	160.00
70043500	4 x 35 SM	28.00	134.40	186.00
71043500	4 x 35 SM	30.00	134.40	175.00
70045000	4 x 50 SM	31.00	192.00	250.00
71045000	4 x 50 SM	32.00	192.00	230.00
70047000	4 x 70 SM	35.00	268.80	330.00
71047000	4 x 70 SM	36.00	268.80	310.00
70049500	4 x 95 SM	38.00	364.80	450.00
71049500	4 x 95 SM	41.00	364.80	420.00
700412000	4 x 120 SM	42.00	460.80	552.10
710412000	4 x 120 SM	44.00	460.80	520.00
700415000	4 x 150 SM	47.00	576.00	686.40
710415000	4 x 150 SM	48.00	576.00	640.00
700418500	4 x 185 SM	52.00	710.40	846.00
710418500	4 x 185 SM	53.00	710.40	805.00
700424000	4 x 240 RE	59.00	921.60	1100.00
70050150	5 x 1.50 RE	13.00	7.20	28.00
70050250	5 x 2.50 RE	15.00	12.00	36.00
70050400	5 x 4 RE	16.00	19.20	49.00
70050600	5 x 6 RE	18.00	28.80	65.00
70051000	5 x 10 RE	20.00	48.00	87.00
70051600	5 x 16 RE	23.00	76.80	125.00
70052500	5 x 25 RM	30.00	120.00	196.60
70053500	5 x 35 RM	34.00	168.00	263.60
70055000	5 x 50 RM	44.00	240.00	350.00
70057000	5 x 70 RMv	42.40	336.00	445.00
70059500	5 x 95 RMv	50.00	456.00	613.40
700512000	5 x 120 RMv	51.30	576.00	748.30
700515000	5 x 150 RMv	58.50	720.00	836.10
700524000	5 x 240 RM	77.00	1152.00	1625.00
70070150	7 x 1.50 RE	14.00	10.10	37.00
70070250	7 x 2.50 RE	16.00	16.80	45.00
70070400	7 x 4 RE	19.00	26.90	63.00
70070600	7 x 6 RE	21.00	40.30	84.00
70071000	7 x 10 RE	24.00	67.20	115.00

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
70100150	10 x 1.50 RE	17.00	14.40	53.00
70100250	10 x 2.50 RE	19.00	24.00	65.00
70120150	12 x 1.50 RE	18.00	17.30	58.00
70120250	12 x 2.50 RE	20.00	28.80	71.40
70140150	14 x 1.50 RE	19.00	20.20	62.00
70140250	14 x 2.50 RE	21.00	33.60	81.70
70160150	16 x 1.50 RE	20.00	23.00	70.00
70160250	16 x 2.50 RE	22.00	38.40	92.20
70180250	18 x 2.5 RE	21.50	43.20	98.00
70190150	19 x 1.50 RE	21.00	27.40	77.00
70190250	19 x 2.50 RE	23.00	45.60	100.60
70210150	21 x 1.50 RE	22.00	30.20	85.00
70210250	21 x 2.50 RE	24.00	50.40	105.00
70240150	24 x 1.50 RE	23.00	34.60	90.00
70240250	24 x 2.50 RE	26.00	57.60	113.20
70250250	25 x 2.50 RE	24.00	60.00	108.00
70300150	30 x 1.50 RE	24.00	43.20	101.70
70300250	30 x 2.50 RE	28.00	72.00	128.60
70400150	40 x 1.50 RE	28.00	57.60	124.60
70400250	40 x 2.50 RE	30.00	96.00	170.00
70520150	52 x 1.50 RE	33.00	74.90	140.00
70520250	52 x 2.50 RE	36.00	124.80	228.30

Kontakt: