

Gummileitungen / Rubber Cables

NTSCGEWOEU-W/3

Mittelspannungskabel (flexibles Kabel, für den Einsatz im Wasser geeignet)
Medium voltage, flexible power supply cable for use in water.



Verwendung:

Verwendung als Zuführungskabel in Tagebaubetrieben, die mit Wasser in Berührung kommen, bei hohem mechanischem Druck, z.B. für Schwimmbagger, Schwimmdocks, Pumpen unter Wasser, etc. Verwendung in Abwasser und Salzwasser möglich.

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Aufbau:

- Elektrisches Feld: äußerer und innerer Überzug aus halbleitendem Gummi mit weißen Zahlen 1 - 3
- Adern: 3 Hauptleiter verbunden mit dem Schutzleiter (besteht aus 3 Teilen)
- Umhüllung: halbleitend, verstärkend, quellfähig, bindend und separierend
- Innenmantelwerkstoff: EPR Spezialmischung GM1b, wasserfest (DIN VDE 0201, Part 21)

Technische Daten:

Leiter Werkstoff	Kupfer, verzinkt
Leiterklasse	Klasse 5 (EN 60228, DIN VDE 0295)
Aderisolationwerkstoff	EPR Spezialmischung (DIN VDE 0207, Part 20)
Aderkennung	Natural colouring with black semiconductive rubber with printed white digits 1-3.
Verseilung	
Außenmantelwerkstoff	Gummimischung 5GM5 (acc. to DIN VDE 0207, Part 21)
Mantelfarbe	Rot
Nennspannung [V]	3.6 / 6 kV to 18 /30 k
Prüfspannung [V]	11 kV bis 43 k
Leiterwiderstand	
Isolationswiderstand	
Strombelastbarkeit	Nach DIN VDE 0298, Part 4
kleinster Biegeradius fest [xd]	Nach DIN VDE 0298, Part 3
kleinster Biegeradius bewegt [xd]	
Betriebstemp. fest min/max [C]	-40°C bis 90
Betriebstemp. bew. min/mac [C]	-25°C bis 80
Temperatur am Leiter max.	+90°C
Brandverhalten	VDE 0482 Part 332-1-2, EN 60332-1-2, IEC 60332-1-2
Normen	

Application:

Power supply cable for use strip and open-pit mining facilities designed for operation in water and exposed to high mechanical stresses, e.g. for connection to dredgers, floating docks, submersible pumps, etc. Cables are suitable to work in sewage, salt and brackish water.

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Construction:

- Electrical field control: inner and outer layer of semiconductive rubber
- Core arrangement: three main conductors laid-up with protective-earth conductor split into 3 in the outer interstices
- protective-earth conductor split into 3 in the outer interstices
- Wrapping: semiconductive, reinforced, swellable, binding and separating tape
- Inner sheath: EPR compound type GM1b, waterproof (acc. to DIN VDE 0201, Part 21)

Technical Data:

Conductor Material	Cooper, tinned
Conductor class	finely stranded class 5 (EN 60228, DIN VDE 0295) tinned, electrolytic cooper
core insulation	EPR compound with improved electrical and mechanical characteristics (DIN VDE 0207, Part 20).
core identification	Natural colouring with black semiconductive rubber with printed white digits 1-3.
stranding	*
outer sheath	5GM5 compound with improved mechanical characteristics (acc. to DIN VDE 0207, Part 21)
sheath colour	Red
rated voltage [V]	3.6 / 6 kV to 18 /30 k
testing voltage [V]	11 kV up to 43 k
conductor resistance	*
insulation resistance	*
current carrying capacity	Acc. to DIN VDE 0298, Part 4
min. bending radius fixed [xd]	Acc. to DIN VDE 0298, Part 3
min. bending radius moved [xd]	*
working temp fixed min/max [C]	-40°C up to 90
working temp moved min/mac [C]	-25°C up to 80
temp at conductor max.	+90°C
burning behaviour	VDE 0482 Part 332-1-2, EN 60332-1-2, IEC 60332-1-2
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
6320325/3	3 x 25 +3x25/3 3,6/6kV	45.80	100.80	305.00
63032500/3	3 x 25 +3x25/3 6/10kV	48.20	100.80	325.00
633032500/3	3 x 25 +3x25/3 8,7/15kV	53.60	100.80	386.00
630032500/3	3 x 25 +3x25/3 12/20kV	58.00	100.80	436.00
6340325/3	3 x 25 +3x25/3 14/25kV	65.40	100.80	535.00
6350325/3	3 x 25 +3x25/3 18/30kV	71.50	100.80	622.00
6320335/3	3 x 35 +3x25/3 3,6/6kV	48.00	129.60	340.00
63033500/3	3 x 35 +3x25/3 6/10kV	50.30	129.60	365.00
633033500/3	3 x 35 +3x25/3 8,7/15kV	55.80	129.60	426.00
630033500/3	3 x 35 +3x25/3 12/20kV	61.10	129.60	490.00
6340335/3	3 x 35 +3x25/3 14/25kV	67.50	129.60	578.00
6350335/3	3 x 35 +3x25/3 18/30kV	73.60	129.60	669.00
6320350/3	3 x 50 +3x25/3 3,6/6kV	52.40	172.80	415.00
63035000/3	3 x 50 +3x25/3 6/10kV	54.50	172.80	440.00
633035000/3	3 x 50 +3x25/3 8,7/15kV	60.30	172.80	510.00
630035000/3	3 x 50 +3x25/3 12/20kV	65.40	172.80	577.00
6340350/3	3 x 50 +3x25/3 14/25kV	72.00	172.80	675.00
6350350/3	3 x 50 +3x25/3 18/30kV	77.90	172.80	766.00
6320370/3	3 x 70 +3x35/3 3,6/6kV	57.10	247.68	530.00
63037000/3	3 x 70 +3x35/3 6/10kV	59.40	247.68	557.00
633037000/3	3 x 70 +3x35/3 8,7/15kV	64.90	247.68	630.00
630037000/3	3 x 70 +3x35/3 12/20 kV	70.20	247.68	705.00
6340370/3	3 x 70 +3x35/3 14/25kV	76.60	247.68	805.00
6350370/3	3 x 70 +3x35/3 18/30kV	82.80	247.68	910.00
6320395/3	3 x 95 +3x50/3 3,6/6kV	61.80	345.60	655.00
63039500/3	3 x 95 +3x50/3 6/10kV	63.10	345.60	672.00
633039500/3	3 x 95 +3x50/3 8,7/15kV	69.60	345.60	765.00
630039500/3	3 x 95 +3x50/3 12/20kV	73.90	345.60	830.00
6340395/3	3 x 95 +3x50/3 14/25kV	81.30	345.60	950.00
6350395/3	3 x 95 +3x50/3 18/30kV	86.50	345.60	1040.00
6323120/3	3 x 120 +3x70/3 3,6/6kV	64.30	417.60	745.00
6331200/3	3 x 120 +3x70/3 6/10kV	66.50	417.60	775.00
63331200/3	3 x 120 +3x70/3 8,7/15kV	72.30	417.60	860.00
630312000/3	3 x 120 +3x70/3 12/20kV	77.30	417.60	937.00
6343120/3	3 x 120 +3x70/3 14/25kV	83.90	417.60	1050.00
6353120/3	3 x 120 +3x70/3 18/30kV	89.80	417.60	1160.00

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
6323150/3	3 x 150 +3x70/3 3,6/6kV	70.10	504.00	875.00
6331500/3	3 x 150 +3x50/3 6/10kV	72.40	360.00	910.00
6331500/3	3 x 150 +3x70/3 6/10kV	72.40	504.00	910.00
63331500/3	3 x 150 +3x70/3 8,7/15kV	77.80	504.00	1010.00
630315000/3	3 x 150 +3x70/3 12/20kV	83.20	504.00	1090.00
6343150/3	3 x 150 +3x70/3 14/25kV	89.60	504.00	1205.00
6353150/3	3 x 150 +3x70/3 18/30kV	95.80	504.00	1325.00
6323185/3	3 x 185 +3x95/3 3,6/6kV	75.80	633.60	1045.00
63318503	3 x 185 +3x50/3 6/10kV	77.90	333.47	1070.00
6331850/3	3 x 185 +3x95/3 6/10kV	77.90	633.60	1080.00
633318500/3	3 x 185 +3x95/3 8,7/15kV	83.60	633.60	1180.00
630318500/3	3 x 185 +3x95/3 12/20kV	88.60	633.60	1265.00
6343185/3	3 x 185 +3x95/3 14/25kV	95.40	633.60	1400.00
6353185/3	3 x 185 +3x95/3 18/30kV	101.30	633.60	1520.00

Kontakt: