NSSHOEU 0,6/1 kV
Rubber insulated cables and insulated wires acc. to VG 95218 part 13 C

Application

For flexible use and fixed installation open-cast mining applications, in quarries, on construction sites and similar applications, with heavy mechanical stresses. The cables can be used indoors as well as outdoors, in explosion-hazard areas, in industry and in agriculture. They can be used permanently in waste water up to 40°C at a depth of max. 2000 m and in industrial water, cooling water, surface water, rainwater and mixed water - and in groundwater and seawater to a more limited extent. The requirements for accessibility and inspection depend on the consistency of the water.In aggressive water or composed of special substances, the cable's resistance properties should be tested. In other respects the specifications of DIN VDE 0298 part 3 applies.

Global data

Brand	PROTOMONT
Type designation	NSSHOEU
Standard	VG 95218 part 13

Design features

Conductor	round stranded, tinned copper wires acc. to. class 5 of IEC 60228
Insulation	Cross linked, EPR based rubber compound
Core identification	According to VG 95218 part 13
Core arrangement	round stranded, tinned copper wires acc. to. class 5 of IEC 60228
Inner sheath	Cross linked, EPR based rubber compound
Outer sheath	Cross linked, CPE based rubber compound; colour: yellow

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Max. permissible operating voltage AC	0.7/1.2 kV
Max. permissible operating voltage DC	0,9/1,8
AC test voltage	3 kV
Current Carrying Capacity description	According to VG 95218-5, values are valid for one cable free in air at 30°C ambient temperature

Chemical parameters

Flame propagation	IEC 60332-1-2
Resistance to oil	EN 60811-404

Thermal parameters

Max. operating temperature of the conductor	90 °C
Ambient temperature for fix installation min.	-40 °C
Laying temperature min.	-25 °C

Mechanical parameters

Max. tensile load on the conductor	15 N/mm²

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Number of cores x cross section	Part number	Desig-nation acc. to VG 95218-Txxx Dash No.	Conduc-tor diameter max. mm	Outer diameter min. mm	Outer diameter max. mm	Bending radius fixed min. mm	Bending radius free moving min. mm	Weight (approx.) kg/km	Permis-sible tensile force max. N	Current carrying capacity (1) A
1X25	20008654	T013C003	6.3	12.8	16.5	83	165	500	375	165
1X70	20004814	T013C001	10.7	17.7	22	110	220	1000	1050	325
1X120	20004816	T013C002	14.2	22.4	27.5	138	275	1600	1800	480

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