

Medium voltage cable

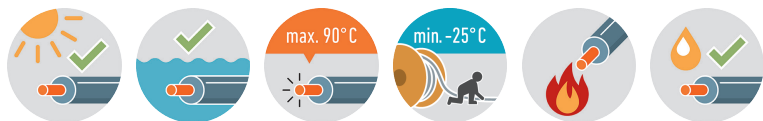
Nexans Powermine[®] NTSCGEWOEUS DRED-GER



Application: Flexible medium voltage cable for permanent use in water, for example connecting dredgers, floating docks, pumps and open-cast mines. The cable is suitable for high mechanical loads in waste, salt and brackish water.

Construction and technical data:

Standard:	DIN VDE 0250-813 (with ref. to)
Conductor material:	tinned copper
Conductor construction:	Class 5 = flexible
Insulation:	basic EPR
Electrical field control:	inner and outer semiconducting rubber layer
Material inner sheath:	rubber
Sheathing material:	rubber (CR) 5GM5
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant:	yes
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-40 - +80 °C
Permitted outer cable temperature, moved, °C:	-25 - +80 °C
Bending radius, fixed installation:	5 x Ø
Bending radius, moving application:	15 x Ø
Maximum tensile strength at the conductor:	15 N/mm ²



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Nexans Powermine[®] NTSCGEWOEUS DREDGER 12/20 kV

Nominal voltage U_o: 12 kV

Nominal voltage U: 20 kV

Maximum permitted operating voltage in 24 kV

three-phase systems:

part no.	part name	RI [Ohm/km]	I _{bl} [A]	I _k [kA]	Ø [mm]	F _{zv} [N]	Cu	G [kg]
051948	3X35 + 3X25/3E	0.565	172	4.5	64	1575	1296	4740

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
I _k	Short-circuit current (1 s)
Ø	outer diameter approx.
F _{zv}	Tensile strength (during installation)
Cu	Copper weight (GER)
G	net weight per 1000