

NTSCGEWÖU

DB32702906EN

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Application

NTSCGEWÖU are heavy medium voltage reeling cables with two rubber sheaths for extreme mechanical stress, e.g. high reeling speed, torsional stress and deflection into different planes. The reeling cables are also applicable for opencast mining.

Design

	acc. to VDE 0250-813
Conductor	multi-wire, tinned copper wire conductor acc. IEC 60228 class 5
Core insulation	rubber compound type 3GI3 acc. DIN VDE 0207-20
Conductive layer	conductive covering on conductor and on insulation
Protective conductor	symmetrically splitted protective conductor
Conductive layer	conductive, non-metallic covering on outer conductors
Inner sheath	rubber compound type GM1b acc. DIN VDE 0207-21
Torsion protecting element	textile or plastic braiding
Outer sheath	rubber compound type 5GM3 acc. DIN VDE 0207-21
Sheath colour	red

Electrical properties

	NTSCGEWÖU 6/10kV	NTSCGEWÖU 12/20kV
Nominal voltage U_0/U	6/10kV	12/20kV
Max Operating Voltage	12kV	24kV
Test voltage	17kV	29kV

Mechanical and thermal properties

Min. bending radius	Flexible use:	15 x outer diameter
	Fixed installation :	6 x outer diameter
Temperature range	Flexible use:	-20°C up to +80°C
	Fixed installation:	-40°C up to +90°C max. conductor temperature
Flammability	acc. IEC 60332-1-2	
Oil resistant	acc. EN 60811-2-1	

The cable is characterized with the <VDE> -sign or VDE-identification thread.

EU-Directives These cables are conform to the EU-Directives 2014/35/EU (Low Voltage Directive), and 2011/65/EU (RoHS, Restriction of the use of certain hazardous substances).



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