

DRUMFLEX NSHTOEu-3

Neoprene (Rubber) Drum reeling cable

Application

Drumflex NSHTOEu-3 reeling cable is specially designed for use on spring operated and motorised cable reeling drums and also in heavy duty cable chain systems. It is also particularly suitable for applications where both tension and torsional stresses are present simultaneously, and where forced cable guidance is required. It is suitable for dry, humid and wet rooms and for outdoor applications on construction sites.

Construction

Conductor:	Fine stranded tinned copper according to VDE 0295 Class 5
Insulation:	Rubber compound (EPR) 3G13
Core colour:	Cores coloured according to VDE 0293 (HD308)
Core arrangement:	Cores stranded in layers
Inner sheath:	Rubber GM1b
Support braid:	Polyester braid between inner and outer sheaths
Outer sheath:	Rubber (CR) 5GM3
Sheath colour:	Black

Working Environment

Maximum operating temperature in fixed application:	-40°C - +80°C
Maximum operating temperature in mobile application:	-25°C - +80°C
Maximum temperature at conductor:	+90°C
Environment:	Suitable for use in dry, humid & wet areas

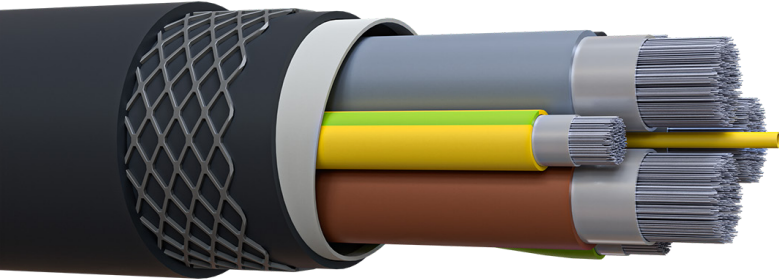
Electrical properties

Nominal voltage:	600 / 1000V
Test voltage:	3000V
Conductor resistance:	In accordance with IEC 228 class 5
Insulation resistance:	> 20 MOhms x km

Additional information

Minimum bending radius:	6x cable diameter
Tensile strength:	Max. 20 N/mm ²
Operating speed:	180 m/min (please enquire for higher operating speeds)
Oil resistance:	According to EN60811-2-1
Flame resistance:	According to VDE 0482-332-1-2/IEC 60332-1-2
Ozone resistance:	Yes
UV resistance:	Yes

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NSHTOEu-3 technical data

Part N°	Cross section (mm ²)	R1 (Ohms/km)	I _{bl} (Amps)	Diameter (mm approx)	F _{zp} static (N)	F _{zv} Dynamic (N)	Cu kg/km	G kg/km
08043 5000 03 FAB	3X50 + 3X25/3	0.393	168	37	2625	3500	1680	2530
08043 7000 03 FAB	3X70 + 3X35/3	0.277	207	43	3675	4900	2352	3440
08043 9500 03 FAB	3X95 + 3X50/3	0.21	250	46	5025	6700	3216	4320
08043 1200 03 FAB	3X120 + 3X70/3	0.164	292	52	6150	8200	4128	5400
08043 1500 03 FAB	3X150 + 3X70/3	0.132	335	56	7800	10400	4992	6480
08043 1850 03 FAB	3X185 + 3X95/3	0.108	382	61	9750	13000	6240	7890
08043 2400 03 FAB	3X240 + 3X120/3	0.0817	453	70	12600	16800	8064	10180

Table key

R1	Conductor resistance
I _{bl}	Current capacity in free air @ 30°C
F _{zp}	Tensile strength (static)
F _{zv}	Tensile strength (dynamic)
Cu	Copper weight
G	Net weight