

Reeling cable

(N)SHTOEU Trommelflex KSM-S FO



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

Application: These cables are intended for applications where frequent winding and unwinding is necessary during operation, in particular with simultaneous tensile strain and/or torsional stress and/or forced guidance of the cable. Where excessive stress, particularly high dynamic tensile force may be expected, e.g. as a result of high acceleration figures, the permissible stress limits have to be determined individually. The cables can be manufactured to order or project-specific with E9/125, 50/125 or 62.5/125 fibres or their various combinations.

Construction and technical data:

Standard:	VDE 0250-814 (with reference to)
Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	rubber (EPR) 3GI3
Arrangement of protective conductors:	split in the outer interstices
Material inner sheath:	Gummi 5GM3
Torsion protection:	polyester braid
Torsion:	+/- 50 °/m
Sheathing material:	rubber (CR) 5GM5
Colour of outer sheath:	black
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant:	EN 60811-2-1
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-40 - +80 °C
Permitted outer cable temperature, moved, °C:	-40 - +80 °C
Bending radius, fixed installation:	4 x Ø
Bending radius, moving application:	5 x Ø
Maximum tensile strength at the conductor:	20 N/mm ²
Operating speed:	180 m/min.



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.

(N)SHTOEU-J Trommelflex KSM-S FO**Nominal voltage U_o:** 0.6 kV**Nominal voltage U:** 1 kV**Maximum permitted operating voltage in three-phase systems:** 1.2 kV**Test voltage:** 4 kV**Core identification:** colours acc. to VDE 0293 (HD308)

part no.	part name	RI [Ohm/km]	I _{bl} [A]	Ø [mm]	F _{zp} [N]	Cu	G [kg]
053724	3X25 + 2x16/2 + 12E9/125	0.78	131	34	1500	894	1859
053725	3X25 + 2x16/2 + 12G50/125	0.78	131	34	1500	894	1859
053726	3X25 + 2x16/2 + 12G62.5/125	0.78	131	34	1500	894	1859
053498	3X35 + 2X16/2 + 12G50/125	0.554	162	36.5	2100	1181	2187
053977	3X50 + 2X25/2 + 1X(12E9/125)	0.386	202	42.5	3000	1680	3080
053978	3X50 + 2X25/2 + 1X(12G50/125)	0.386	202	42.5	3000	1680	3080
053979	3X50 + 2X25/2 + 1X(12G62.5/125)	0.386	202	42.5	3000	1680	3080
053597	3X70 + 2X25/2 + 24E9/125	0.272	250	43	4200	2352	3598
053720	3X70 + 2X35/2 + 12E9/125	0.272	250	42	4200	2352	3420
053721	3X70+2X35/2 + 12G50/125	0.272	250	42	4200	2352	3420
052446	3X70 + 2X35/2 + 12G62.5/125	0.272	250	43	4200	2352	3664
053297	3X95 + 2X50/2 + 1X(12E9/125)	0.206	301	46	5700	3216	4550
052950	3X95 + 2X50/2 + 12G62,5	0.206	301	46	5700	3216	4696
054744	3X95 + 2X50/2 + 1X(24E9/125)	0.206	301	48	5700	3216	4557
054745	3X95 + 2X50/2 + 1X(24G50/125)	0.206	301	48	5700	3216	4557
054746	3X95 + 2X50/2 + 1X(24G62.5/125)	0.206	301	48	5700	3216	4557
052447	3X120 + 2X70/2 + 12G62.5/125	0.161	352	52.5	7200	4128	5545
054213	3X150 + 2X70/2 + 12E9/125	0.129	404	58	9000	4992	6612
054214	3X150 + 2X70/2 + 12G50/125	0.129	404	58	9000	4992	7303
052448	3X150 + 2X70/2 + 12G62.5/125	0.129	404	58	9000	4992	6684
054633	3X150 + 2x70/2 + 24E9/125	0.129	404	58	9000	4992	6612
054440	3X185 + 2X95/2 + 12E9/125	0.106	461	61	11100	6240	8174
054441	3X185 + 2X95/2 + 12G50/125	0.106	461	61	11100	6240	8174
054442	3X185 + 2X95/2 + 12G62.5/125	0.106	461	61	11100	6240	8174
053435	3X240 + 2X120/2 + 12E9/125	0.0801	528	70	14400	8064	10756
053517	3X240 + 2X120/2 + 24E9/125	0.0801	528	70	14400	8064	10756
054561	3X120 + 1X70 + (6X2.5)C + 12E9/125	0.161	352	57.5	7200	4330	6278
054562	3X120 + 1X70 + (6X2.5)C + 12G50/125	0.161	352	57.5	7200	4330	6278
054563	3X120 + 1X70 + (6X2.5)C + 12G62.5/125	0.161	352	57.5	7200	4330	6278

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
Ø	outer diameter approx.
F _{zp}	Tensile strength (permanent)
Cu	Copper weight (GER)
G	net weight per 1000