Medium voltage flat reeling cable
Protolon(FL)® (N)TSFLCGEWOEU

DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

Application: Flexible reeling cable, for high mechanical stresses, e.g. dynamic tensile loads, multiple changes of direction within one plane, running over rollers. Mainly for mobile equipment, e.g. container cranes, cranes, large mobile equipment and excavators.

Construction and technical data:

Standard:	DIN VDE 0250-813 (with ref. to)
Conductor material:	tinned copper
Conductor construction:	Class 5 = flexible
Insulation:	rubber 3GI3
Arrangement of cores:	three parallel arranged cores
Electrical field control:	inner and outer semiconducting rubber layer
Arrangement of protective conductors:	tinned copper wire braid over each phase
Sheathing material:	rubber 5GM5
Colour of outer sheath:	red
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
Oil-resistant:	EN 60811-404
Ozone-resistant:	yes
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-50 - +80 °C
Permitted outer cable temperature, moved, °C:	-35 - +80 °C
Bending radius, fixed installation:	6 x Ø
Min. distance with S-type diretional changes:	20 x Ø
Bending radius, moving application:	10 x Ø
Maximum tensile strength at the conductor:	15 N/mm²
Operating speed:	120 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.

Protolon(FL)® (N)TSFLCGEWOEU 8.7/15 kV

Nominal voltage Uo:	8.7 kV
Nominal voltage U:	15 kV
Maximum permitted operating voltage in three-phase systems:	18 kV
Test voltage:	24 kV
Core identification:	nature colour

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ik [kA]	w [mm]	h [mm]	Fzp [N]	Cu	G [kg]
052476	3X25 + 3X25/3E	0.795	111	3.58	77.3	30.7	1125	1085	3472
052477	3X50 + 3X25/3E	0.386	172	5.01	84.7	33.2	2250	1807	4608

Rl	Conductor resistance
Ibl	Ampacity in air (30 °C)
Ik	Short-circuit current (1 s)
w	Width
h	Height
Fzp	Tensile strength (permanent)
Cu	Copper weight (GER)
G	net weight per 1000