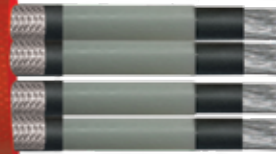


CABLE REELS

FLEXIDRUM® MEDIUM FLAT (N)TSFLCGCWOEUS

Reeling flat cables

ELETTROTEK KABEL® FLEXIDRUM® MEDIUM FLAT (N)TSFLCGCWOEUS



Construction:

Conductor:	flexible tinned copper conductor Cl. 5, acc. to IEC 60228, DIN VDE 0295
Inner semi-conductive layer:	semi-conducting compound
Insulation:	rubber EPR special compound
Outer semi-conductive layer:	semi-conducting compound
Cores color:	Power: natural color with black semi-conducting compound Earth: black semi-conducting compound
Earth conductor screen:	tinned copper braid
Outer sheath:	red (similar to RAL 3000), special PCP compound

Resistance:



Self-extinguishing and flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1-2



Oil resistance acc. to:
DIN VDE 0473 part 811-2-1
IEC EN 60811-2-1

Technical data:

Nominal voltage:	U ₀ /U 3,6/6 kV up to 8,7/15 kV
Max. operating voltage in A.C. systems:	U _m 1,2 x U
Max. operating voltage in A.C. systems:	U _m 1,8 x U
Test voltage:	(acc. to DIN VDE 0250 part 813): 11 kV up to 24 kV in A.C. 27,5 kV up to 60 kV in D.C.
Temperature range:	
<i>Fixed laying:</i>	-50°C up to +80°C
<i>Flexible installation:</i>	-35°C up to +80°C
Max. temperature on conductor:	+ 90°C
Max. temperature in short circuit:	+ 250 °C
Min. bending radius:	acc. to DIN VDE 0298, part 3
Current carrying capacity:	acc. to DIN VDE 0298-4
Tensile strenght:	20 N/mm ²

Features:

outdoor/indoor use
ozone and moisture resistant
reduced cable weight
small outer diameter
possible with integrated optical fiber
for MINIMUM BENDING RADIUS
see pages from 5 to 8 of catalogue

RoHS approval



Applications:

Suitable to operate with forced guidance systems with deflection on different levels and with reel axis in direction of travel.

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Uo/U 3,6 (7,2) kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no.)*
02120MR1040M64	4x35	24x77 - 25x79	-	3600	2800	2
02120MR1049900	4x35/35+LWL	24x77 - 25x79	-	3600	2100	2
02120MR1040M65	4x50	26x83 - 27x85	-	4400	4000	1
02120MR1049901	3x50/50+LWL	26x83 - 27x85	-	4400	3000	0

Uo/U 6/10 (12) kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no.)*
02120QR1040M64	4x35	26x78 - 27x80	-	3900	2800	1
02120QR1049902	3x35/35+LWL	26x78 - 27x80	-	3900	2100	1

Uo/U 8,7/15 (18) kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no.)*
02120SR1040M64	4x35	27x79 - 28x81	-	4200	2800	1
02120SR1049903	4x35/35+LWL	27x79 - 28x81	-	4200	2100	1
02120SR1039904	3x35+4x25/4E+6FO62,5/125	28,5x89	1460	4330	-	1

Other dimensions and colors available on request.