



USE OF CABLE

reeling cable for winding operation, especially with simultaneously tensile stress and/or torsional stress and/or forced cable guidance. Suitable for dry, humid and wet rooms, for outdoor use and also on construction sites, in commercial and agricultural plants.



SPECIAL FEATURES

- free from lacquer damaging substances and silicone (during production)
- for travelling speed up to 180 m / min
- 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.
- failure-free data transmission via FO

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.
- Also available assembled with fitting terminations and ST connectors (FO)

PRODUCT INFORMATION

Conductor material:	Bare copper strand; FO: Graded index-fibre 62,5/125 µ
Conductor class:	Acc. to DIN VDE 0295 class 5 resp. IEC 60228 cl. 5
Core insulation:	Rubber compound; FO: with jelly filled PETP tubes in an envelope of a special rubber compound
Core identification:	Acc. to VDE 0293-308 coloured and GNYE
Overall stranding:	Cores stranded in layer, splitted earth conductors and FO element in the interstices
Inner sheath material:	Special rubber-compound
Outer sheath:	Special rubber-compound
Sheath colour:	Black
Rated voltage:	Uo/U: 0,6/1 kV
Testing voltage:	2,5 kV
Current-carrying-capacity:	Acc. to DIN VDE, see Technical Guideline
Min. bending radius fixed:	Acc. to DIN VDE 0298 part 3
Min. bending radius moved:	Acc. to DIN VDE 0298 part 3
Operat. temp. fixed min/max:	-40 °C / +80 °C
Operat. temp. moved min/max:	-40 °C / +80 °C
Temp. at conductor:	+90 °C
Burning behavior:	Self-extinguishing and flame retardant acc. to IEC 60332-1
Resistant to oil:	Acc. to EN 60811-404
Tensile strength:	Tensile strength max. 20 N / mm ²
Standard:	Similar to DIN VDE 0250

ITEM OVERVIEW

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
3004401	3 X 35 + 3 G 16/3	29,0 - 32,0	1181,00	1794,00	black	V1: REELTEC KSM-S (N)SHTÖU-J
3004402	3 X 50 + 3 G 25/3	33,0 - 37,0	1680,00	2920,00	black	V1: REELTEC KSM-S (N)SHTÖU-J
3004403	3 X 70 + 3 G 35/3	40,0 - 43,0	2352,00	3440,00	black	V1: REELTEC KSM-S (N)SHTÖU-J
3004404	3 X 95 + 3 G 50/3	43,0 - 46,0	3216,00	4320,00	black	V1: REELTEC KSM-S (N)SHTÖU-J
3004405	3 X 120 + 3 G 70/3	48,0 - 52,5	4128,00	5400,00	black	V1: REELTEC KSM-S (N)SHTÖU-J
3004406	3 X 150 + 3 G 70/3	52,0 - 56,1	4992,00	6550,00	black	V1: REELTEC KSM-S (N)SHTÖU-J
3004407	3 X 185 + 3 G 95/3	56,0 - 61,0	6240,00	7980,00	black	V1: REELTEC KSM-S (N)SHTÖU-J
3004408	3 X 240 + 3 G 120/3	64,0 - 70,0	8064,00	10180,00	black	V1: REELTEC KSM-S (N)SHTÖU-J
3004428	3 X 240 + 3 G 120/3	64,0 - 70,0	8064,00	10180,00	yellow	V1: REELTEC KSM-S (N)SHTÖU-J
3004409	3 X 25 + 2 G 16/2 + 12 G 62,5/125	31,0 - 34,0	894,00	1770,00	black	V2: REELTEC KSM-S (N)SHTÖU-J+FO
3004410	3 X 35 + 2 G 16/2 + 12 G 62,5/125	33,0 - 36,5	1181,00	2220,00	black	V2: REELTEC KSM-S (N)SHTÖU-J+FO
3004422	3 X 35 + 2 G 16/2 + 12 E 9/125	33,0 - 36,5	1181,00	2120,00	black	V2: REELTEC KSM-S (N)SHTÖU-J+FO

REELTEC® KSM-S (N)SHTÖU, (N)SHTÖU+FO

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
3004423	3 X 35 + 2 G 16/2 + 12 G 50/125	33,0 - 36,5	1181,00	2120,00	black	V2: REELTEC KSM-S (N)SHTÖU-J+FO
3004411	3 X 50 + 2 G 25/2 + 12 G 62,5/125	33,0 - 42,5	1680,00	2920,00	black	V2: REELTEC KSM-S (N)SHTÖU-J+FO
3004412	3 X 70 + 2 G 35/2 + 12 G 62,5/125	39,0 - 43,0	2352,00	3440,00	black	V2: REELTEC KSM-S (N)SHTÖU-J+FO
3004413	3 X 95 + 2 G 50/2 + 12 G 62,5/125	43,0 - 46,0	3216,00	4420,00	black	V2: REELTEC KSM-S (N)SHTÖU-J+FO
3004414	3 X 120 + 2 G 70/2 + 12 G 62,5/125	48,0 - 52,5	4128,00	5430,00	black	V2: REELTEC KSM-S (N)SHTÖU-J+FO
3004415	3 X 120 + 2 G 70/2 + 12 G 50/125	48,0 - 52,5	4128,00	5430,00	black	V2: REELTEC KSM-S (N)SHTÖU-J+FO
3004416	3 X 120 + 2 G 70/2 + 20 G 62,5/125	48,0 - 52,0	4128,00	5430,00	black	V2: REELTEC KSM-S (N)SHTÖU-J+FO
3004751	3 X 120 + 1 G 70 + (4 X 1,5)C + 12 G 62,5/125	55,5 - 58,7	4214,40	6460,00	black	V2: REELTEC KSM-S (N)SHTÖU-J+FO
3004426	3 X 120 + 1 G 70 + (5 X 2,5)C + 12G62,5/125	58,2 (max. 61,5)	4286,40	6870,00	black	V2: REELTEC KSM-S (N)SHTÖU-J+FO
3004427	3 X 120 + 1 G 70 + 2 X (5 X 2,5)C + 12 G 62,5/125	60,2 (max. 61,0)	4444,80	6990,00	black	V2: REELTEC KSM-S (N)SHTÖU-J+FO
3004417	3 X 150 + 2 G 70/2 + 12 G 62,5/125	52,0 - 58,0	4992,00	6580,00	black	V2: REELTEC KSM-S (N)SHTÖU-J+FO
3004418	3 X 185 + 2 G 95/2 + 12 G 62,5/125	56,0 - 61,0	6240,00	8350,00	black	V2: REELTEC KSM-S (N)SHTÖU-J+FO
3004419	3 X 185 + 2 G 95/2 + 12 G 50/125	56,0 - 61,0	6240,00	8350,00	black	V2: REELTEC KSM-S (N)SHTÖU-J+FO
3004425	3 X 185 + 2 G 95/2 + 12 E9/125	59,9 - 63,2	6240,00	8290,00	black	V2: REELTEC KSM-S (N)SHTÖU-J+FO
3004420	3 X 240 + 2 G 120/2 + 12 G 62,5/125	64,0 - 70,0	8064,00	10840,00	black	V2: REELTEC KSM-S (N)SHTÖU-J+FO
3004421	3 X 240 + 2 G 120/2 + 12 G 50/125	64,0 - 70,0	8064,00	9980,00	black	V2: REELTEC KSM-S (N)SHTÖU-J+FO