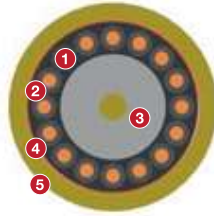


UTVFLEX® - SPR

Based on DIN VDE 0250 Part 814

Flexible cable designed for signalling mobile connections, under very high mechanical stresses (tensile strength and torsion), for heavy duty conditions, abrasion and crushing. The cable is typically used in cable winding reels for harbour cranes, container cranes, conveyors, handling machines, for vertical reeling application like for spreaders.



1 PHASE CONDUCTORS

MATERIAL: tinned copper, extremely flexible, better than Class 5 acc. to IEC 60228 and VDE 0295

2 INSULATION

MATERIAL: special compound developed to have higher tensile load, high stability and excellent thermal resistance

3 CENTRAL FILLER

MATERIAL: rubber compound on Aramide Kevlar® element (active element on cable load resistance and against whiplash)

CORE ARRANGEMENT

DESCRIPTION: made by untwisting technology in order to avoid internal stress in the core arrangement, with a laid up geometry for better torsion resistance

4 ANTI-TWISTING ELEMENT

DESCRIPTION: polyester braid between inner and outer sheath

6 INNER AND OUTER SHEATH

MATERIAL: halogen free polyurethane
COLOUR: yellow

ELECTRICAL WORKING DATA

Nominal rated voltage U_0 / U	kV	0,6/1
Test voltage	kV	4
Max AC voltage	kV	0,7/1,2
Max DC voltage	kV	1,8
Current rating	A	According to VDE 0298 Part 4

THERMAL WORKING DATA

Maximum short circuit temperature	°C	200
Maximum working temp. on the conductor	°C	90
Minimum ambient temperature*	°C	Mobile condition: -40 Static condition: -50

* For ambient temperature up to -40 °C in mobile application the cable UTVFLEX®-K is available

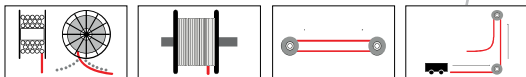
MECHANICAL WORKING DATA

Bending radius	mm	According to VDE 0298 Part 3
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CHEMICAL WORKING DATA

Oil resistance	According to IEC 60811-404
Ozone resistance	According to IEC 60811-403
Burning behaviour	According to IEC 60332-1-2
Gas emission during combustion	According to IEC 60754-1

APPLICATION



UTVFLEX® - SPR

VOLTAGE kV	CORES X CROSS SECTION Nr x mm ²	CONDUCTOR Ø mm	MIN OVERALL Ø mm	MAX OVERALL Ø mm	APPROX WEIGHT kg/km	MAX TENSILE LOAD N
0,6/1	18G2,5	2,1	20,0	23,0	830	3350
0,6/1	24G2,5	2,1	25,0	28,0	1180	3800
0,6/1	36G2,5	2,1	29,0	32,0	1610	4700
0,6/1	37G2,5	2,1	30,0	33,0	1670	4775
0,6/1	44G2,5	2,1	32,0	35,0	1980	5300
0,6/1	54G2,5	2,1	37,0	40,0	2490	6050
0,6/1	56G2,5	2,1	38,0	41,0	2610	6200

