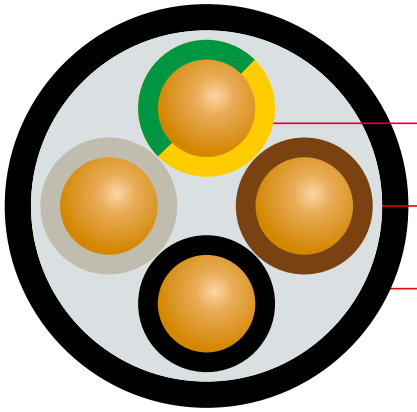
2XY-O/J (R2V) 0.6/1kV

acc. to NF C 32-321, IEC 60502



APPLICATION

For use on industrial sites. Particularly suited to cases of high operating temperatures and when high resistance to UV radiation and atmospheric agents is required. Good resistance to low temperatures and chemical agents. Can be used without additional mechanical protection in the open air, fixed to walls or in channels, inside gangways or in empty spaces in constructions in general. Can be laid underground with mechanical protection constructed from slabs, tiles, or bricks.

CONSTRUCTION

Conductor: copper, bare, single-wire or multi-wire
Core insulation: XLPE (cross-linked polyethylene)
Core identification: colours acc. to DIN VDE 0293
Core stranding: cores twisted to layers
Outer sheath: PVC; colour: black;
POINT DE VUE (coloured stripes): 1.5 mm^2 pink, 2.5 mm^2 yellow, 4 mm^2 purple, 6 mm^2 blue, 10 mm^2 brown, 16 mm^2 grey

BEHAVIOUR UNDER FIRE CONDITIONS

Flame retardant: VDE 0472-804/IEC 60332-1

ELECTRICAL CHARACTERISTICS

Nominal voltage U_0 / U	0.6/1 kV
Test voltage	3.5 kV

THERMAL & MECHANICAL PROPERTIES

Operating temperature	-25°C to +60°C
Temperature at conductor max.	+90°C

CONDUCTOR TYPES

(acc. to DIN VDE 0295)
RE round, single-wire
RM round, multi-wire
RMv round, multi-wire, compressed SM sectorial form, multi-wire
SMv sectorial form, multi-wire, compressed

No. of cores and cross section		Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km
2XY-O				
1 x 1.5	RE	5.4	33	14.4
1 x 2.5	RE	5.8	43	24
1 x 4	RE	6.3	58	38
1 x 6	RM	6.8	81	58
1 x 10	RM	8.1	121	96
1 x 16	RM	9.1	177	154
1 x 25	RM	10.8	268	240
1 x 35	RM	11.9	358	336
1 x 50	RM	13.3	479	480
1 x 70	RM	14.5	673	672
1 x 95	RM	16.4	922	912
1 x 120	RM	18.2	1154	1152
1 x 150	RM	19.9	1415	1440
1 x 185	RM	22.2	1785	1776
1 x 240	RM	25.0	2304	2304
1 x 300	RM	27.5	2888	2880
1 x 400	RM	30.4	3780	3840
1 x 500	RM	32.5	4640	4800
2 x 1.5	RE	9.6	93	29
2 x 2.5	RE	10.4	121	48
2 x 4	RE	11.3	164	77
2 x 6	RM	12.8	229	115
2 x 10	RM	15.3	335	192
2 x 16	RM	17.4	478	307
2 x 25	RM	20.8	729	480
2 x 35	RM	23.4	955	672
3 x 1.5	RE	10.0	108	43
3 x 2.5	RE	10.9	144	72
3 x 4	RE	11.9	198	115
3 x 6	RM	13.5	280	173
3 x 10	RM	16.2	418	288
3 x 16	RM	18.4	608	461
3 x 25	RM	22.1	932	720
3 x 35	RM	24.9	1236	1008
3 x 50	RM	27.9	1657	1440
3 x 95	RM	34.6	3191	2736
3 x 120	RM	39.2	4009	3456
3 x 150	RM	13.1	4942	4320
3 x 185	RM	48.7	6270	5328
3 x 240	RM	54.5	8108	6912

T.K. Kabel oHG · Geschwister-Scholl-Straße 11 · 71384 Weinstadt
Phone +49 (0) 7151/60 68 70 · Fax +49 (0) 7151/60 91 00 · info@tk-kabel.de · www.tk-kabel.de

No. of cores and cross section		Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km
2XY-O				
4 x 1.5	RE	10.8	128	58
4 x 2.5	RE	11.7	174	96
4 x 4	RE	12.9	242	154
4 x 6	RM	14.6	344	230
4 x 10	RM	17.6	519	384
4 x 16	RM	20.1	764	614
4 x 25	RM	24.2	1187	960
4 x 35	RM	27.3	1584	1344
4 x 50	RM	30.9	2115	1920
4 x 70	RM	34.0	2993	2688
4 x 95	RM	38.3	4081	3648
4 x 120	RM	43.5	5149	4608
4 x 150	RM	47.8	6316	5760
4 x 185	RM	53.9	8032	7104
4 x 240	RM	59.9	10389	9216

No. of cores and cross section		Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km
2XY-J				
3 x 1.5	RE	10.0	108	43
3 x 2.5	RE	10.9	144	72
3 x 4	RE	11.9	198	115
3 x 10	RM	16.2	418	288
3 x 16	RM	18.4	608	461
3 x 25	RM	22.1	932	720
4 x 1.5	RE	10.8	128	58
4 x 2.5	RE	11.7	174	96
4 x 4	RE	12.9	242	154
4 x 6	RM	14.6	344	230
4 x 10	RM	17.6	519	384
4 x 16	RM	20.1	764	614
4 x 25	RM	24.2	1187	960
4 x 35	RM	27.3	1584	1344
4 x 50	RM	30.9	2115	1920
4 x 70	RM	34.0	2993	2688
4 x 95	RM	38.3	4081	3648
5 x 1.5	RE	11.6	150	72
5 x 2.5	RE	12.6	205	120
5 x 4	RE	13.9	288	192
5 x 6	RM	16.6	410	288
5 x 10	RM	19.1	624	480
5 x 16	RM	22.0	941	768
5 x 25	RM	26.5	1454	1200
5 x 35	RM	29.9	1960	1680
7 x 1.5	RE	12.4	188	101
7 x 2.5	RE	13.6	264	168
12 x 1.5	RE	15.6	287	173
12 x 2.5	RE	17.3	412	288
19 x 1.5	RE	18.0	420	274
19 x 2.5	RE	20.0	613	456
24 x 1.5	RE	20.8	525	346
27 x 1.5	RE	21.2	625	389
27 x 2.5	RE	23.9	833	648
37 x 1.5	RE	23.6	760	533
37 x 2.5	RE	26.4	1128	888

Subject to changes due to technical progress and error

T.K. Kabel oHG · Geschwister-Scholl-Straße 11 · 71384 Weinstadt
Phone +49 (0) 7151/60 68 70 · Fax +49 (0) 7151/60 91 00 · info@tk-kabel.de · www.tk-kabel.de