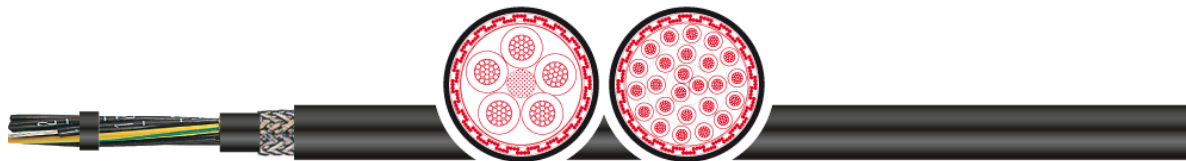




0,6/1kV, shielded, UV resistant, CPR Eca



### APPLICATION

power, control and connecting cable in electrical facilities for lossless data and signal transmission, fixed laying and flexible applications without tensile stress and without defined cable routing. Suitable for use in dry, humid and wet rooms. Outdoor use but no laying underground.



### SPECIAL FEATURES

- operation voltage 0.6/1 kV
- 4kV testing voltage
- largely resistant to acids, bases and specified types of oil
- additional mechanical protection by inner sheath
- UV-proofed PVC outer sheath
- EMC compliant shielding

### PRODUCT DETAILS

#### DESIGN

Conductor material	bare copper strand
Conductor class	acc. to IEC 60228 cl. 5
Core insulation	PVC
Core identification	acc. to DIN VDE 0293 black cores with white numerals; G: with GNYE
Stranding	stranded in layers
Inner sheath material	PVC
Overall shield	copper braid tinned, coverage approx. 85 %
Outer sheath material	PVC
Sheath colour	black, RAL 9005

#### ELECTRICAL PROPERTIES

Rated voltage AC IEC	U <sub>0</sub> /U: 0,6/1 kV
Testing voltage	4 kV
Conductor resistance	acc. to IEC 60228 cl. 5
Insulation resistance	min. 20 MΩ x km
Current carrying capacity	acc. to DIN VDE, see technical Guidelines

#### MECHANICAL & DYNAMIC PROPERTIES

Min. bending radius fixed	6 x d
Min. bending radius moved	15 x d

#### THERMAL PROPERTIES

Operat. temp. fixed min./max. [°C]	-40 °C / +80 °C
Operat. temp. moved min/max [°C]	-15 °C / +70 °C
Temp. at conductor in operation max [°C]	+70 °C in operation; +160 °C in case of short-circuit

## PROPERTIES IN CASE OF FIRE

## Burning behavior

self-extinguishing &amp; flame-retardant acc.to IEC 60332-1

## STANDARDS &amp; APPROVALS

## Standard

similar to EN 50525-2-51 with insulation thickness for 1 kV

## ITEM OVERVIEW

## ÖPVC-JZ/OZ-YCY 0,6/1 kV - schwarz / black

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1003016	2 X 0,5	8,1	38,0	117,0
1003476	3 G 0,5	8,4	45,0	135,0
1003477	4 G 0,5	9,2	54,0	150,0
1003478	5 G 0,5	9,9	62,0	173,0
1000936	5 X 0,5	9,9	62,0	173,0
1003479	7 G 0,5	11,9	76,0	198,0
1003848	7 X 0,5	11,9	76,0	198,0
1003480	12 G 0,5	14,4	131,0	313,0
1004358	14 G 0,5	15,5	147,0	328,0
1003481	18 G 0,5	17,0	175,0	408,0
1000967	18 X 0,5	17,0	175,0	408,0
1003482	25 G 0,5	20,2	223,0	638,0
1003483	2 X 0,75	8,5	46,0	135,0
1003484	3 G 0,75	8,9	56,0	149,0
1003003	4 G 0,75	9,7	67,0	169,0
1003008	5 G 0,75	11,0	78,0	197,0
1003485	7 G 0,75	12,8	97,0	315,0
1003486	12 G 0,75	15,6	168,0	410,0
1003487	18 G 0,75	17,7	229,0	560,0
1001964	25 G 0,75	21,7	296,0	762,0
1001878	2 X 1	9,2	52,0	150,0
1003199	3 G 1	9,7	66,0	163,0
1003228	4 G 1	10,6	79,0	198,0
1003221	5 G 1	12,4	93,0	239,0
1003198	7 G 1	13,7	117,0	335,0
1003064	12 G 1	16,4	204,0	522,0
1003494	18 G 1	19,4	280,0	628,0
1000940	18 X 1	19,4	280,0	628,0
1003222	25 G 1	22,6	369,0	855,0
1003243	2 X 1,5	10,1	69,0	181,0
1003190	3 G 1,5	11,1	87,0	205,0
1000942	3 X 1,5	11,1	87,0	205,0
1003244	4 G 1,5	12,6	102,0	240,0
1002834	5 G 1,5	13,5	125,0	286,0
1003128	7 G 1,5	15,3	180,0	383,0
1000943	7 X 1,5	15,3	180,0	383,0
1001868	12 G 1,5	19,2	281,0	690,0
1003011	18 G 1,5	22,2	391,0	806,0
1003883	19 G 1,5	22,8	388,0	749,0
1003499	25 G 1,5	25,1	518,0	1.180,0
1003884	36 G 1,5	30,0	690,0	1.392,0
1003500	2 X 2,5	11,3	112,0	191,0
1000686	3 G 2,5	12,7	123,0	298,0
1003009	4 G 2,5	14,2	168,0	345,0
1003012	5 G 2,5	15,0	204,0	457,0
1003501	7 G 2,5	17,5	265,0	561,0
1003502	12 G 2,5	21,7	421,0	857,0
1003503	18 G 2,5	25,5	598,0	1.053,0
1003504	25 G 2,5	29,4	848,0	1.373,0
1003505	2 X 4	14,1	120,0	247,0
1000789	3 G 4	15,1	191,0	391,0
1000947	3 X 4	14,6	173,1	372,0
1001650	4 G 4	16,0	238,0	527,0
1003507	5 G 4	17,3	302,0	661,0
1003508	7 G 4	19,0	396,0	828,0
1000736	2 X 6	16,1	203,0	353,0

**ÖPVC-JZ/OZ-YCY 0,6/1 kV - schwarz / black**

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1000955	3 X 6	16,6	238,9	493,0
1003018	4 G 6	17,7	318,0	715,0
1003195	5 G 6	19,0	419,0	832,0
1003509	7 G 6	22,1	559,0	1.205,0
1000735	2 X 10	18,4	308,0	492,0
1003019	4 G 10	21,7	574,0	864,0
1003510	5 G 10	23,8	714,0	1.020,0
1001062	2 X 16	20,8	414,0	680,0
1003010	4 G 16	25,2	809,0	1.184,0
1003506	5 G 16	27,6	1.053,0	1.402,0
1003173	4 G 25	29,8	1.165,0	1.792,0
1003512	5 G 25	32,7	1.446,0	2.209,0
1003104	4 G 35	32,7	1.683,0	2.495,0
1003514	5 G 35	38,7	1.975,0	2.736,0
1003020	4 G 50	39,6	2.368,0	4.094,0
1000973	5 G 50	44,9	2.880,0	5.118,0
1003515	4 G 70	46,0	3.261,0	5.467,0
1000974	5 G 70	50,4	4.032,0	6.834,0
1003516	4 G 95	51,0	4.055,0	5.849,0
1000964	5 G 95	56,5	5.264,0	7.720,0
1003517	4 G 120	58,1	5.225,0	7.509,0