



300/500V, unshielded

**APPLICATION**

power, control and connecting cable in electrical facilities and hand-held electric tools, for fixed laying and flexible applications with undefined cable routing and without tensile stress. Suitable for use in dry and humid rooms. Outdoor use within temperature range, no laying underground.

**SPECIAL FEATURES**

- increased oil resistant special-PUR-outer sheath resistance to acids, bases, dissolver, hydrolysis, lubricants etc. (see table of chemical resistance)
- LABS-free (during production)
- increased resistance to abrasion and microbes
- cutproof, tearproof
- UV-resistant PUR outer sheath
- PUR yellow: Safety cable with yellow outer sheath

**PRODUCT DETAILS****DESIGN**

Conductor material	bare copper strand
Conductor class	acc. to IEC 60228 cl. 5
Core insulation	PVC
Core identification	PUR YELLOW: up to 5 cores acc. to DIN VDE 0293-308 coloured cores, from 6 wires TKD coloured code with or without GNYE; PUR GREY: acc. to DIN VDE 0293 black cores with white numerals with GNYE from 3 cores
Stranding	stranded in layers
Outer sheath material	PUR
Sheath colour	yellow RAL 1016 or grey RAL 7001

**ELECTRICAL PROPERTIES**

Rated voltage AC IEC	U <sub>0</sub> /U: 300/500 V
Testing voltage	3 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	5 x d
Min. bending radius moved	12,5 x d

**THERMAL PROPERTIES**

Operat. temp. fixed min./max. [°C]	-40 °C / +80 °C
Operat. temp. moved min/max [°C]	-5 °C / +70 °C

## STANDARDS &amp; APPROVALS

Standard

similar to DIN VDE 0245, 0250 and 0282

## ITEM OVERVIEW

## PUR GRAU (N)YMHTIYÖ - grau/grey

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1003644	2 X 0,5	5,1	9,6	40,0
1003646	3 G 0,5	5,4	14,4	55,0
1003158	4 G 0,5	6,0	19,0	65,0
1003650	5 G 0,5	6,5	24,0	75,0
1003651	7 G 0,5	7,2	33,6	90,0
1003654	12 G 0,5	9,3	57,6	135,0
1003655	18 G 0,5	10,8	86,4	205,0
1003658	25 G 0,5	13,2	120,0	270,0
1003659	2 X 0,75	5,4	14,4	44,0
1001843	3 G 0,75	5,8	21,6	53,0
1003778	3 X 0,75	5,8	21,6	53,0
1001870	4 G 0,75	6,4	28,8	64,0
1003779	4 X 0,75	6,4	28,8	64,0
1001193	5 G 0,75	7,1	36,0	76,0
1003780	5 X 0,75	7,1	36,0	74,0
1001185	7 G 0,75	7,8	50,4	96,0
1001143	12 G 0,75	10,4	86,4	170,0
1003663	18 G 0,75	12,4	130,0	260,0
1003664	25 G 0,75	15,1	180,0	324,0
1003667	34 G 0,75	17,0	245,0	475,0
1001156	2 X 1	5,8	19,2	53,0
1001158	3 G 1	6,3	28,8	63,0
1001164	4 G 1	6,9	38,4	75,0
1001178	5 G 1	7,7	48,0	89,0
1003781	5 X 1	7,7	48,0	89,0
1004950	6 G 1	8,8	57,6	99,0
1001187	7 G 1	8,8	67,2	115,0
1004948	9 G 1	10,7	86,4	167,0
1001144	12 G 1	11,0	115,0	201,0
1001147	18 G 1	13,0	173,0	289,0
1001151	25 G 1	16,9	240,0	380,0
1003673	34 G 1	18,3	326,0	645,0
1001155	2 X 1,5	6,5	28,8	68,0
1001160	3 G 1,5	6,9	43,2	87,0
1001166	4 G 1,5	7,6	57,6	106,0
1001180	5 G 1,5	8,5	72,0	131,0
1004949	6 G 1,5	9,4	86,4	162,0
1001189	7 G 1,5	9,4	101,0	173,0
1001145	12 G 1,5	12,8	173,0	273,0
1001148	18 G 1,5	15,2	259,0	454,0
1001152	25 G 1,5	18,5	360,0	641,0
1003677	34 G 1,5	20,8	490,0	945,0
1003678	42 G 1,5	23,5	605,0	1.100,0
1003681	50 G 1,5	24,2	720,0	1.250,0
1003683	2 X 2,5	8,2	48,0	110,0
1003684	3 G 2,5	8,7	72,0	146,0
1001168	4 G 2,5	9,4	96,0	183,0
1001182	5 G 2,5	10,3	120,0	222,0
1001191	7 G 2,5	11,5	168,0	293,0
1001146	12 G 2,5	15,7	288,0	512,0
1003688	18 G 2,5	18,7	432,0	740,0
1003689	25 G 2,5	24,1	600,0	940,0
1001170	4 G 4	12,5	154,0	291,0
1001777	5 G 4	14,0	192,0	355,0
1003692	7 G 4	15,4	269,0	503,0
1501740	4 G 6	13,0	230,0	468,0
1003693	5 G 6	14,5	288,0	570,0
1003695	7 G 6	16,0	403,0	808,0
1003698	3 G 10	15,8	288,0	555,0
1003699	4 G 10	16,2	384,0	720,0
1003702	5 G 10	18,1	480,0	894,0

**PUR GRAU (N)YMHITYÖ - grau/grey**

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1003703	7 G 10	20,0	672,0	1.295,0
1001823	4 G 16	18,8	614,0	1.063,0
1003707	5 G 16	23,6	768,0	1.400,0
1003708	7 G 16	29,3	1.075,0	1.800,0
1003711	4 G 25	29,4	960,0	1.590,0
1003712	4 G 35	32,8	1.344,0	2.200,0
1003715	4 G 50	38,9	1.920,0	2.400,0
1003716	4 G 70	44,7	2.688,0	4.400,0
1003719	4 G 95	59,6	3.648,0	6.000,0

**PUR GELB (N)YMHITYÖ - gelb/yellow**

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1003645	2 X 0,5	5,1	9,6	40,0
1003647	3 G 0,5	5,4	14,4	55,0
1003648	4 G 0,5	6,0	19,0	65,0
1003649	5 G 0,5	6,5	24,0	75,0
1003652	7 G 0,5	7,2	33,6	90,0
1003653	12 G 0,5	9,3	57,6	135,0
1003656	18 G 0,5	10,8	86,4	205,0
1003657	25 G 0,5	13,2	120,0	270,0
1001122	2 X 0,75	5,4	14,4	44,0
1001125	3 G 0,75	5,8	21,6	53,0
1001129	4 G 0,75	6,4	28,8	64,0
1001135	5 G 0,75	7,1	36,0	76,0
1003660	7 G 0,75	7,8	50,4	96,0
1003661	12 G 0,75	10,4	86,4	170,0
1003662	18 G 0,75	12,4	130,0	260,0
1003665	25 G 0,75	15,1	180,0	324,0
1003666	34 G 0,75	17,0	245,0	475,0
1001123	2 X 1	5,8	19,2	53,0
1001126	3 G 1	6,3	28,8	63,0
1001130	4 G 1	6,9	38,4	75,0
1001136	5 G 1	7,7	48,0	89,0
1003668	7 G 1	8,8	67,2	115,0
1003669	12 G 1	11,0	115,0	201,0
1003670	18 G 1	13,0	173,0	289,0
1003671	25 G 1	16,9	240,0	380,0
1003672	34 G 1	18,3	326,0	645,0
1001124	2 X 1,5	6,5	28,8	68,0
1001127	3 G 1,5	6,9	43,2	87,0
1001131	4 G 1,5	7,6	57,6	106,0
1001137	5 G 1,5	8,5	72,0	131,0
1001139	7 G 1,5	9,4	101,0	173,0
1001121	12 G 1,5	12,8	173,0	293,0
1003674	18 G 1,5	15,2	259,0	454,0
1003675	25 G 1,5	18,5	360,0	641,0
1003676	34 G 1,5	20,8	490,0	945,0
1003679	42 G 1,5	23,5	605,0	1.100,0
1003680	50 G 1,5	24,2	720,0	1.250,0
1003682	2 X 2,5	8,2	48,0	110,0
1001128	3 G 2,5	8,7	72,0	146,0
1001132	4 G 2,5	9,4	96,0	183,0
1001138	5 G 2,5	10,3	120,0	222,0
1003685	7 G 2,5	11,5	168,0	293,0
1003686	12 G 2,5	15,7	288,0	512,0
1003687	18 G 2,5	18,7	432,0	740,0
1003690	25 G 2,5	24,1	600,0	940,0
1001133	4 G 4	12,5	154,0	291,0
1003137	5 G 4	14,0	192,0	355,0
1003691	7 G 4	15,4	269,0	503,0
1001134	4 G 6	13,0	230,0	468,0

**PUR GELB (N)YMHITYÖ - gelb/yellow**

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1003694	5 G 6	14,5	288,0	570,0
1003696	7 G 6	16,0	403,0	808,0
1003697	3 G 10	15,8	288,0	555,0
1003700	4 G 10	16,2	384,0	720,0
1003701	5 G 10	18,1	480,0	894,0
1003704	7 G 10	20,0	672,0	1.295,0
1003705	4 G 16	18,8	614,0	1.063,0
1003706	5 G 16	23,6	768,0	1.400,0
1003709	7 G 16	29,3	1.075,0	1.800,0
1003710	4 G 25	29,4	960,0	1.590,0
1003713	4 G 35	32,8	1.344,0	2.200,0
1003714	4 G 50	38,9	1.920,0	2.400,0
1003717	4 G 70	44,7	2.688,0	4.400,0