



USE OF CABLE

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



SPECIAL FEATURES

- high resistance to chemicals and dissolvers
- nearly frequency independent dielectric characteristics
- flame-retardant
- high breakdown strength and high abrasion resistance
- high elongation and high tear strength
- PTFE is resistant to ozone, oxygene and sea water, weather-proofed
- triple protection for high mechanical requirements and magnetic shield (glass silk taping with additional oxidation-proofed steel wire braid)

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- with approval Germanischer Lloyd on request
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.

PRODUCT INFORMATION

Conductor material:	Copper strand silvered or nickel plated
Conductor class:	Acc. to IEC 60228 cl. 5
Core insulation:	PTFE
Core identification:	Up to 5 cores acc. to DIN VDE 0293-308 coloured cores; from 6 cores black with white numerals with or without GNYE
Stranding:	Stranded in layers
Shield3:	Impregnated glass-silk braid, zinc steel wire braid beyond
Rated voltage:	Uo/U: 600 V
Testing voltage:	Core/core: 2 kV; core/shield: 1,5 kV
Conductor resistance:	At +20 °C acc. to IEC 60228 cl. 5
Insulation resistance:	Min. 1,5 GΩ x km
Current-carrying-capacity:	Acc. to DIN VDE, see Technical Guidelines
Min. bending radius fixed:	7,5 x d
Min. bending radius moved:	12 x d
Operat. temp. fixed min/max:	-190 °C / +260 °C; short-time: +300 °C (when using adequate conductor materials)
Temp. at conductor:	Cu-vs: +200 °C; Cu-vn: +260 °C
Burning behavior:	Self-extinguishing & flame-retardant acc.to IEC 60332-1-2

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2003169	2 X 0,75	4,5	14,40	49,00	white	V1: THERM-260-PTFE/GLP VS
2003170	3 G 0,75	4,8	21,60	69,00	white	V1: THERM-260-PTFE/GLP VS
2003171	5 G 0,75	5,7	36,00	94,00	white	V1: THERM-260-PTFE/GLP VS
2003172	2 X 1	4,7	19,20	61,00	white	V1: THERM-260-PTFE/GLP VS
2003173	3 G 1	4,9	28,80	82,00	white	V1: THERM-260-PTFE/GLP VS
2003174	4 G 1	5,5	38,40	94,00	white	V1: THERM-260-PTFE/GLP VS
2003175	2 X 1,5	5,5	28,80	84,00	white	V1: THERM-260-PTFE/GLP VS
2003176	3 G 1,5	5,7	43,20	100,00	white	V1: THERM-260-PTFE/GLP VS
2003177	4 G 1,5	6,3	57,60	118,00	white	V1: THERM-260-PTFE/GLP VS
2003178	5 G 1,5	6,9	72,00	142,00	white	V1: THERM-260-PTFE/GLP VS
2003179	7 G 1,5	7,9	101,00	172,00	white	V1: THERM-260-PTFE/GLP VS
2003180	12 G 1,5	10,3	173,00	278,00	white	V1: THERM-260-PTFE/GLP VS

THERM-260-PTFE/GLP

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2003181	2 X 2,5	6,8	48,00	105,00	white	V1: THERM-260-PTFE/GLP VS
2003182	3 G 2,5	7,2	72,00	140,00	white	V1: THERM-260-PTFE/GLP VS
2003183	4 G 2,5	8,0	96,00	174,00	white	V1: THERM-260-PTFE/GLP VS
2003184	5 G 2,5	8,7	120,00	214,00	white	V1: THERM-260-PTFE/GLP VS
2003185	7 G 2,5	9,5	168,00	261,00	white	V1: THERM-260-PTFE/GLP VS
2003186	2 X 4	8,0	76,80	158,00	white	V1: THERM-260-PTFE/GLP VS
2003187	3 G 4	8,4	115,00	206,00	white	V1: THERM-260-PTFE/GLP VS
2003188	4 G 4	9,3	154,00	255,00	white	V1: THERM-260-PTFE/GLP VS
2003189	5 G 4	10,2	192,00	331,00	white	V1: THERM-260-PTFE/GLP VS
2003190	2 X 6	9,7	115,00	198,00	white	V1: THERM-260-PTFE/GLP VS
2003191	3 G 6	10,4	173,00	272,00	white	V1: THERM-260-PTFE/GLP VS
2003192	4 G 6	11,4	230,00	336,00	white	V1: THERM-260-PTFE/GLP VS
2003193	2 X 10	13,0	192,00	287,00	white	V1: THERM-260-PTFE/GLP VS
2003194	3 G 10	13,8	288,00	394,00	white	V1: THERM-260-PTFE/GLP VS
2003195	4 G 10	15,2	384,00	502,00	white	V1: THERM-260-PTFE/GLP VS
2003196	2 X 0,75	4,5	14,40	49,00	white	V2: THERM-260-PTFE/GLP VN
2003197	3 G 0,75	4,8	21,60	69,00	white	V2: THERM-260-PTFE/GLP VN
2003198	5 G 0,75	5,7	36,00	94,00	white	V2: THERM-260-PTFE/GLP VN
2003199	2 X 1	4,7	19,20	61,00	white	V2: THERM-260-PTFE/GLP VN
2003200	3 G 1	4,9	28,80	82,00	white	V2: THERM-260-PTFE/GLP VN
2003201	4 G 1	5,5	38,40	94,00	white	V2: THERM-260-PTFE/GLP VN
2003202	2 X 1,5	5,5	28,80	84,00	white	V2: THERM-260-PTFE/GLP VN
2003203	3 G 1,5	5,7	43,20	100,00	white	V2: THERM-260-PTFE/GLP VN
2003204	4 G 1,5	6,3	57,60	118,00	white	V2: THERM-260-PTFE/GLP VN
2003205	5 G 1,5	6,9	72,00	142,00	white	V2: THERM-260-PTFE/GLP VN
2003206	7 G 1,5	7,9	101,00	172,00	white	V2: THERM-260-PTFE/GLP VN
2003207	12 G 1,5	10,3	173,00	278,00	white	V2: THERM-260-PTFE/GLP VN
2003208	2 X 2,5	6,8	48,00	105,00	white	V2: THERM-260-PTFE/GLP VN
2003209	3 G 2,5	7,2	72,00	140,00	white	V2: THERM-260-PTFE/GLP VN
2003210	4 G 2,5	8,0	96,00	174,00	white	V2: THERM-260-PTFE/GLP VN
2003211	5 G 2,5	8,7	120,00	214,00	white	V2: THERM-260-PTFE/GLP VN
2003212	7 G 2,5	9,5	168,00	261,00	white	V2: THERM-260-PTFE/GLP VN
2003213	2 X 4	8,0	76,80	158,00	white	V2: THERM-260-PTFE/GLP VN
2003214	3 G 4	8,4	115,00	206,00	white	V2: THERM-260-PTFE/GLP VN
2003215	4 G 4	9,3	154,00	255,00	white	V2: THERM-260-PTFE/GLP VN
2003216	5 G 4	10,2	192,00	331,00	white	V2: THERM-260-PTFE/GLP VN
2003217	2 X 6	9,7	115,00	198,00	white	V2: THERM-260-PTFE/GLP VN
2003218	3 G 6	10,4	173,00	272,00	white	V2: THERM-260-PTFE/GLP VN
2003219	4 G 6	11,4	230,00	336,00	white	V2: THERM-260-PTFE/GLP VN
2003220	2 X 10	13,0	192,00	287,00	white	V2: THERM-260-PTFE/GLP VN
2003221	3 G 10	13,8	288,00	394,00	white	V2: THERM-260-PTFE/GLP VN
2003222	4 G 10	15,2	384,00	502,00	white	V2: THERM-260-PTFE/GLP VN