



## USE OF CABLE

heat and coldness resistant single core for use where warmness and coldness directly act on cables



## 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
- FEP is resistant to ozone, oxygene, sea water and weather-proofed

## REMARKS

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

## PRODUCT INFORMATION

Conductor material:	Copper strand tinned or silvered
Conductor class:	Fine-stranded similar to IEC 60228 see table right side
Core insulation:	FEP
Core identification:	Different colours
Rated voltage:	Typ KT: 250 V; Typ K: 600 V; Typ KK: 1 kV
Testing voltage:	Typ KT: 2,5 kV; Typ K: 3,4 kV; Typ KK: 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:	4 x d
Min. bending radius moved:	10 x d
Operat. temp. fixed min/max:	-100 °C / +205 °C; short-time: +230 °C (when using adequate conductor materials)
Temp. at conductor:	Cu-vz: +180 °C; Cu-vs: +200 °C
Burning behavior:	Self-extinguishing & flame-retardant acc.to IEC 60332-1-2

## ITEM OVERVIEW

Product No.	Dimension [n x mm <sup>2</sup> ]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	Single core color	Variant
2502855	1 X 0,14	0,75 - 0,90	1,40	2,60	green-yellow	V1: THERM-205-FEP-EA - 250V - TYP KT
2502852	1 X 0,14	0,75 - 0,90	1,40	2,60	black	V1: THERM-205-FEP-EA - 250V - TYP KT
2500866	1 X 0,14	0,75 - 0,90	1,40	2,60	blue	V1: THERM-205-FEP-EA - 250V - TYP KT
2500867	1 X 0,14	0,75 - 0,90	1,40	2,60	red	V1: THERM-205-FEP-EA - 250V - TYP KT
2502856	1 X 0,25	0,92 - 1,02	2,40	4,70	green-yellow	V1: THERM-205-FEP-EA - 250V - TYP KT
2502853	1 X 0,25	0,92 - 1,02	2,40	4,70	black	V1: THERM-205-FEP-EA - 250V - TYP KT
2503104	1 X 0,5	1,20 - 1,30	4,80	8,20	blue	V1: THERM-205-FEP-EA - 250V - TYP KT
2502857	1 X 0,5	1,20 - 1,30	4,80	8,20	green-yellow	V1: THERM-205-FEP-EA - 250V - TYP KT
2503105	1 X 0,5	1,20 - 1,30	4,80	8,20	red	V1: THERM-205-FEP-EA - 250V - TYP KT
2502854	1 X 0,5	1,20 - 1,30	4,80	8,20	black	V1: THERM-205-FEP-EA - 250V - TYP KT
2502858	1 X 0,25	1,08 - 1,28	2,40	4,70	green-yellow	V2: THERM-205-FEP-EA - 600V - TYP K
2550736	1 X 0,25	1,08 - 1,28	2,40	4,70	red	V2: THERM-205-FEP-EA - 600V - TYP K
2550039	1 X 0,25	1,08 - 1,28	2,40	4,70	black	V2: THERM-205-FEP-EA - 600V - TYP K
2550735	1 X 0,25	1,08 - 1,28	2,40	4,70	white	V2: THERM-205-FEP-EA - 600V - TYP K
2500555	1 X 0,5	1,35 - 1,55	4,80	8,20	blue	V2: THERM-205-FEP-EA - 600V - TYP K

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	Single core color	Variant
2502859	1 X 0,5	1,35 - 1,55	4,80	8,20	green-yellow	V2: THERM-205-FEP-EA - 600V - TYP K
2500552	1 X 0,5	1,35 - 1,55	4,80	8,20	red	V2: THERM-205-FEP-EA - 600V - TYP K
2502865	1 X 0,5	1,35 - 1,55	4,80	8,20	black	V2: THERM-205-FEP-EA - 600V - TYP K
2502456	1 X 0,5	1,35 - 1,55	4,80	8,20	transparent	V2: THERM-205-FEP-EA - 600V - TYP K
2501286	1 X 0,5	1,35 - 1,55	4,80	8,20	violet	V2: THERM-205-FEP-EA - 600V - TYP K
2501200	1 X 0,5	1,35 - 1,55	4,80	8,20	white	V2: THERM-205-FEP-EA - 600V - TYP K
2501280	1 X 0,75	1,60 - 1,85	7,20	12,30	blue	V2: THERM-205-FEP-EA - 600V - TYP K
2502435	1 X 0,75	1,60 - 1,85	7,20	12,30	green-yellow	V2: THERM-205-FEP-EA - 600V - TYP K
2503121	1 X 0,75	1,60 - 1,85	7,20	12,30	red	V2: THERM-205-FEP-EA - 600V - TYP K
2500013	1 X 0,75	1,60 - 1,85	7,20	12,30	black	V2: THERM-205-FEP-EA - 600V - TYP K
2502860	1 X 1	1,75 - 2,00	9,60	16,80	green-yellow	V2: THERM-205-FEP-EA - 600V - TYP K
2503120	1 X 1	1,75 - 2,00	9,60	16,80	red	V2: THERM-205-FEP-EA - 600V - TYP K
2501365	1 X 1	1,75 - 2,00	9,60	16,80	black	V2: THERM-205-FEP-EA - 600V - TYP K
2503119	1 X 1,5	2,00 - 2,35	14,40	22,20	blue	V2: THERM-205-FEP-EA - 600V - TYP K
2502861	1 X 1,5	2,00 - 2,35	14,40	22,20	green-yellow	V2: THERM-205-FEP-EA - 600V - TYP K
2503118	1 X 1,5	2,00 - 2,35	14,40	22,20	red	V2: THERM-205-FEP-EA - 600V - TYP K
2501328	1 X 1,5	2,00 - 2,35	14,40	22,20	black	V2: THERM-205-FEP-EA - 600V - TYP K
2503306	1 X 1,5	2,00 - 2,35	14,40	19,00	beige	V2: THERM-205-FEP-EA - 600V - TYP K
2503172	1 X 2,5	2,50 - 2,85	24,00	35,00	brown	V2: THERM-205-FEP-EA - 600V - TYP K
2502862	1 X 2,5	2,50 - 2,85	24,00	35,00	green-yellow	V2: THERM-205-FEP-EA - 600V - TYP K
2500664	1 X 2,5	2,50 - 2,85	24,00	35,00	black	V2: THERM-205-FEP-EA - 600V - TYP K
2500613	1 X 2,5	2,50 - 2,85	24,00	35,00	transparent	V2: THERM-205-FEP-EA - 600V - TYP K
2503018	1 X 2,5	2,50 - 2,85	24,00	35,00	white	V2: THERM-205-FEP-EA - 600V - TYP K
2502863	1 X 4	3,15 - 3,45	38,00	53,00	green-yellow	V2: THERM-205-FEP-EA - 600V - TYP K
2502866	1 X 4	3,15 - 3,45	38,00	53,00	black	V2: THERM-205-FEP-EA - 600V - TYP K
2502864	1 X 6	4,10 - 4,45	58,00	73,40	green-yellow	V2: THERM-205-FEP-EA - 600V - TYP K
2502867	1 X 6	4,10 - 4,45	58,00	73,40	black	V2: THERM-205-FEP-EA - 600V - TYP K
2502874	1 X 0,25	1,33 - 1,53	2,40	4,70	green-yellow	V3: THERM-205-FEP-EA - 1000V - TYP KK
2502868	1 X 0,25	1,33 - 1,53	2,40	4,70	black	V3: THERM-205-FEP-EA - 1000V - TYP KK
2502453	1 X 0,5	1,60 - 1,80	4,80	8,20	yellow	V3: THERM-205-FEP-EA - 1000V - TYP KK
2502451	1 X 0,5	1,60 - 1,80	4,80	8,20	green	V3: THERM-205-FEP-EA - 1000V - TYP KK
2502875	1 X 0,5	1,60 - 1,80	4,80	8,20	green-yellow	V3: THERM-205-FEP-EA - 1000V - TYP KK
2502452	1 X 0,5	1,60 - 1,80	4,80	8,20	black	V3: THERM-205-FEP-EA - 1000V - TYP KK
2500376	1 X 0,5	1,60 - 1,80	4,80	8,20	green	V3: THERM-205-FEP-EA - 1000V - TYP KK
2500375	1 X 0,5	1,60 - 1,80	4,80	8,20	red	V3: THERM-205-FEP-EA - 1000V - TYP KK
2500377	1 X 0,5	1,60 - 1,80	4,80	8,20	white	V3: THERM-205-FEP-EA - 1000V - TYP KK
2502876	1 X 0,75	1,85 - 2,10	7,20	12,30	green-yellow	V3: THERM-205-FEP-EA - 1000V - TYP KK
2502869	1 X 0,75	1,85 - 2,10	7,20	12,30	black	V3: THERM-205-FEP-EA - 1000V - TYP KK
2500378	1 X 0,75	1,85 - 2,10	7,20	12,30	red	V3: THERM-205-FEP-EA - 1000V - TYP KK
2500379	1 X 0,75	1,85 - 2,10	7,20	12,30	green	V3: THERM-205-FEP-EA - 1000V - TYP KK
2500405	1 X 0,75	1,85 - 2,10	7,20	12,30	white	V3: THERM-205-FEP-EA - 1000V - TYP KK
2502877	1 X 1	2,00 - 2,26	9,60	16,80	green-yellow	V3: THERM-205-FEP-EA - 1000V - TYP KK
2502870	1 X 1	2,00 - 2,26	9,60	16,80	black	V3: THERM-205-FEP-EA - 1000V - TYP KK

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2502878	1 X 1,5	2,25 - 2,55	14,40	22,20	green-yellow	V3: THERM-205-FEP-EA - 1000V - TYP KK
2502871	1 X 1,5	2,25 - 2,55	14,40	22,20	black	V3: THERM-205-FEP-EA - 1000V - TYP KK
2500409	1 X 1,5	2,25 - 2,55	14,40	22,20	green	V3: THERM-205-FEP-EA - 1000V - TYP KK
2500406	1 X 1,5	2,25 - 2,55	14,40	22,20	red	V3: THERM-205-FEP-EA - 1000V - TYP KK
2500343	1 X 1,5	2,25 - 2,55	14,40	22,20	white	V3: THERM-205-FEP-EA - 1000V - TYP KK
2502879	1 X 2,5	2,75 - 3,15	24,00	35,00	green-yellow	V3: THERM-205-FEP-EA - 1000V - TYP KK
2503288	1 X 2,5	2,75 - 3,15	24,00	35,00	green	V3: THERM-205-FEP-EA - 1000V - TYP KK
2500545	1 X 2,5	2,75 - 3,15	24,00	35,00	black	V3: THERM-205-FEP-EA - 1000V - TYP KK
2503289	1 X 2,5	2,75 - 3,15	24,00	35,00	red	V3: THERM-205-FEP-EA - 1000V - TYP KK
2500655	1 X 2,5	2,75 - 3,15	24,00	35,00	transparent	V3: THERM-205-FEP-EA - 1000V - TYP KK
2503290	1 X 2,5	2,75 - 3,15	24,00	35,00	white	V3: THERM-205-FEP-EA - 1000V - TYP KK
2502880	1 X 4	3,40 - 3,85	38,00	53,00	green-yellow	V3: THERM-205-FEP-EA - 1000V - TYP KK
2502872	1 X 4	3,40 - 3,85	38,00	53,00	black	V3: THERM-205-FEP-EA - 1000V - TYP KK
2502881	1 X 6	4,30 - 4,80	58,00	73,40	green-yellow	V3: THERM-205-FEP-EA - 1000V - TYP KK
2502873	1 X 6	4,30 - 4,80	58,00	73,40	black	V3: THERM-205-FEP-EA - 1000V - TYP KK
2502885	1 X 0,14	0,75 - 0,90	1,40	2,60	green-yellow	V4: THERM-205-FEP-EA VS - 250V - TYP KT
2502882	1 X 0,14	0,75 - 0,90	1,40	2,60	black	V4: THERM-205-FEP-EA VS - 250V - TYP KT
2502886	1 X 0,25	0,92 - 1,02	2,40	4,70	green-yellow	V4: THERM-205-FEP-EA VS - 250V - TYP KT
2502883	1 X 0,25	0,92 - 1,02	2,40	4,70	black	V4: THERM-205-FEP-EA VS - 250V - TYP KT
2502887	1 X 0,5	1,20 - 1,30	4,80	8,20	green-yellow	V4: THERM-205-FEP-EA VS - 250V - TYP KT
2502884	1 X 0,5	1,20 - 1,30	4,80	8,20	black	V4: THERM-205-FEP-EA VS - 250V - TYP KT
2502888	1 X 0,25	1,08 - 1,28	2,40	4,70	green-yellow	V5: THERM-205-FEP-EA VS - 600V - TYP K
2502896	1 X 0,25	1,08 - 1,28	2,40	4,70	black	V5: THERM-205-FEP-EA VS - 600V - TYP K
2502889	1 X 0,5	1,35 - 1,55	4,80	8,20	green-yellow	V5: THERM-205-FEP-EA VS - 600V - TYP K
2502897	1 X 0,5	1,35 - 1,55	4,80	8,20	black	V5: THERM-205-FEP-EA VS - 600V - TYP K
2502890	1 X 0,75	1,60 - 1,85	7,20	12,30	green-yellow	V5: THERM-205-FEP-EA VS - 600V - TYP K
2502898	1 X 0,75	1,60 - 1,85	7,20	12,30	black	V5: THERM-205-FEP-EA VS - 600V - TYP K
2502891	1 X 1	1,75 - 2,00	9,60	16,80	green-yellow	V5: THERM-205-FEP-EA VS - 600V - TYP K
2502899	1 X 1	1,75 - 2,00	9,60	16,80	black	V5: THERM-205-FEP-EA VS - 600V - TYP K
2502892	1 X 1,5	2,00 - 2,35	14,40	22,20	green-yellow	V5: THERM-205-FEP-EA VS - 600V - TYP K
2502900	1 X 1,5	2,00 - 2,35	14,40	22,20	black	V5: THERM-205-FEP-EA VS - 600V - TYP K
2502893	1 X 2,5	2,50 - 2,85	24,00	35,00	green-yellow	V5: THERM-205-FEP-EA VS - 600V - TYP K
2502901	1 X 2,5	2,50 - 2,85	24,00	35,00	black	V5: THERM-205-FEP-EA VS - 600V - TYP K
2502894	1 X 4	3,15 - 3,45	38,00	53,00	green-yellow	V5: THERM-205-FEP-EA VS - 600V - TYP K
2502902	1 X 4	3,15 - 3,45	38,00	53,00	black	V5: THERM-205-FEP-EA VS - 600V - TYP K
2502895	1 X 6	4,10 - 4,45	58,00	73,40	green-yellow	V5: THERM-205-FEP-EA VS - 600V - TYP K
2502903	1 X 6	4,10 - 4,45	58,00	73,40	black	V5: THERM-205-FEP-EA VS - 600V - TYP K
2502904	1 X 0,25	1,33 - 1,53	2,40	4,70	green-yellow	V6: THERM-205-FEP-EA VS - 1000V - TYP KK
2502912	1 X 0,25	1,33 - 1,53	2,40	4,70	black	V6: THERM-205-FEP-EA VS - 1000V - TYP KK
2502905	1 X 0,5	1,60 - 1,80	4,80	8,20	green-yellow	V6: THERM-205-FEP-EA VS - 1000V - TYP KK
2502913	1 X 0,5	1,60 - 1,80	4,80	8,20	black	V6: THERM-205-FEP-EA VS - 1000V - TYP KK
2502906	1 X 0,75	1,85 - 2,10	7,20	12,30	green-yellow	V6: THERM-205-FEP-EA VS - 1000V - TYP KK
2502914	1 X 0,75	1,85 - 2,10	7,20	12,30	black	V6: THERM-205-FEP-EA VS - 1000V - TYP KK

Product No.	Dimension [n x mm <sup>2</sup> ]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	Single core color	Variant
2502907	1 X 1	2,00 - 2,26	9,60	16,80	green-yellow	V6: THERM-205-FEP-EA VS - 1000V - TYP KK
2502915	1 X 1	2,00 - 2,26	9,60	16,80	black	V6: THERM-205-FEP-EA VS - 1000V - TYP KK
2502908	1 X 1,5	2,25 - 2,55	14,40	22,20	green-yellow	V6: THERM-205-FEP-EA VS - 1000V - TYP KK
2502916	1 X 1,5	2,25 - 2,55	14,40	22,20	black	V6: THERM-205-FEP-EA VS - 1000V - TYP KK
2502909	1 X 2,5	2,75 - 3,15	24,00	35,00	green-yellow	V6: THERM-205-FEP-EA VS - 1000V - TYP KK
2502917	1 X 2,5	2,75 - 3,15	24,00	35,00	black	V6: THERM-205-FEP-EA VS - 1000V - TYP KK
2502910	1 X 4	3,40 - 3,85	38,00	53,00	green-yellow	V6: THERM-205-FEP-EA VS - 1000V - TYP KK
2502918	1 X 4	3,40 - 3,85	38,00	53,00	black	V6: THERM-205-FEP-EA VS - 1000V - TYP KK
2502911	1 X 6	4,35 - 4,80	58,00	73,40	green-yellow	V6: THERM-205-FEP-EA VS - 1000V - TYP KK
2502919	1 X 6	4,35 - 4,80	58,00	73,40	black	V6: THERM-205-FEP-EA VS - 1000V - TYP KK