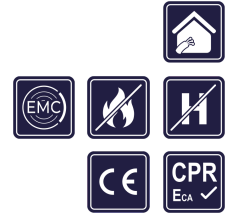




USE OF CABLE

halogen-free and environmentally data transmission cable, control and connecting cable predominantly for transmission of analog and digital signals in process controlled facilities in measurement and control technology, in fire vulnerable areas and facilities with high concentration of people and property values, for lossless transmission of datas and signals. For fixed laying and flexible applications with undefined cable routing and without tensile stress. Suitable for use in dry and humid rooms. Outdoor use only with UV-protection, no laying underground.



SPECIAL FEATURES

- twisted pairs
- free from lacquer damaging substances and silicone (during production)
- FRNC (Flame Retardant, Non Corrosive)
- LSF 0H (Low smoke in fume, zero halogen)
- recommended for EMC-applications

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- also available as unscreened version PAARTRONIC® LIHH (TP)
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Acc. to IEC 60228 cl. 5; exception: 0,34 mm ² , stranded (7 x 0,25 mm)
Core insulation:	Special halogen-free compound
Core identification:	Acc. to DIN 47100 different colours
Stranding:	2 cores twisted to a pair; pairs stranded in layers
Shield3:	Copper braid tinned; coverage approx. 85%
Outer sheath:	Special halogen-free compound
Sheath colour:	Grey, RAL 7032
Rated voltage:	250 V; peak-voltage on 0,14 mm ² : 350 V; > 0,14 mm ² : 500 V
Testing voltage:	On 0,14 mm ² : core/core: 1.2 kV; core/shield: 1 kV > 0,14 mm ² : core/core: 1.5 kV; core/shield: 1 kV
Conductor resistance:	Acc. to IEC 60228 cl. 5
Insulation resistance:	Min. 20 MΩ xkm
Current-carrying-capacity:	Acc. to DIN VDE, s. Techn. Guidelines
Capacity:	Core/core ca. 120 nF/km; core/shield ca. 160 nF/km
Min. bending radius fixed:	Up to 20 mm Ø 7,5 x d; > 20 mm Ø 10 x d
Min. bending radius moved:	Up to 20 mm Ø 15 x d; > 20 mm Ø: 20 x d
Operat. temp. fixed min/max:	-30 °C / +80 °C
Operat. temp. moved min/max:	-5 °C / +70 °C
Halogen free:	Acc. to IEC 60754-2
Burning behavior:	Flame-retardant acc. to IEC 60332-3-24 (Cat. 24)
Standard:	Similar to DIN VDE 0812

ITEM OVERVIEW

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0507045	2 X 2 X 0,14	5,2	18,50	39,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507046	3 X 2 X 0,14	5,4	23,00	48,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0506427	4 X 2 X 0,14	5,5	26,60	54,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507047	6 X 2 X 0,14	7,1	48,50	85,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507049	8 X 2 X 0,14	7,5	53,70	97,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507050	10 X 2 X 0,14	8,3	59,00	110,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507051	12 X 2 X 0,14	8,8	66,00	142,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507052	16 X 2 X 0,14	9,8	79,00	154,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507053	20 X 2 X 0,14	10,3	97,00	184,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0500825	25 X 2 X 0,14	11,7	113,00	238,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0502605	25 X 2 X 0,14	11,7	113,00	238,00	grey	V0: PAARTRONIC-CH LIHCH (TP)

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0507263	30 X 2 X 0,14	12,3	140,00	270,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507054	30 X 2 X 0,14	12,3	140,00	270,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507055	2 X 2 X 0,25	6,0	28,00	54,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507079	3 X 2 X 0,25	6,4	39,60	66,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507056	4 X 2 X 0,25	6,5	44,90	81,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507057	6 X 2 X 0,25	8,5	69,50	115,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507058	8 X 2 X 0,25	9,0	76,90	130,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507059	10 X 2 X 0,25	9,7	102,00	158,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507060	12 X 2 X 0,25	10,9	120,00	190,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507061	16 X 2 X 0,25	12,0	146,50	238,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507455	18 X 2 X 0,25	13,7	139,70	248,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0500832	24 X 2 X 0,25	14,5	226,00	298,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507062	24 X 2 X 0,25	14,5	226,00	298,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507274	5 X 2 X 0,34	8,6	60,00	85,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0502562	2 X 2 X 0,5	7,7	48,10	93,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0502489	3 X 2 X 0,5	8,1	73,70	129,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0502563	4 X 2 X 0,5	8,2	82,00	146,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0503606	6 X 2 X 0,5	10,8	110,00	198,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0502567	8 X 2 X 0,5	11,4	139,00	259,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0502564	12 X 2 X 0,5	14,0	198,30	354,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0502565	16 X 2 X 0,5	15,6	240,00	459,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0500835	24 X 2 X 0,5	18,3	394,00	570,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0502566	24 X 2 X 0,5	18,3	394,00	570,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0503141	2 X 2 X 0,75	8,4	58,00	106,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507063	3 X 2 X 0,75	8,8	84,00	140,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0502622	4 X 2 X 0,75	8,9	108,00	179,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507064	5 X 2 X 0,75	10,3	126,00	215,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0506799	6 X 2 X 0,75	11,7	146,00	246,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507065	8 X 2 X 0,75	12,5	180,00	305,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0502669	12 X 2 X 0,75	15,4	261,00	456,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507066	16 X 2 X 0,75	17,2	336,00	492,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507067	2 X 2 X 1	9,4	84,00	142,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0502658	3 X 2 X 1	9,8	96,00	173,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507068	4 X 2 X 1	10,0	121,00	212,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507069	5 X 2 X 1	11,6	161,00	266,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507070	8 X 2 X 1	15,0	240,00	400,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507071	10 X 2 X 1	16,2	282,00	510,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507072	12 X 2 X 1	17,8	324,00	590,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0506852	2 X 2 X 1,5	10,5	112,00	165,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507073	3 X 2 X 1,5	11,0	140,00	218,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507074	4 X 2 X 1,5	11,1	176,00	265,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507075	5 X 2 X 1,5	13,0	212,00	310,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507076	8 X 2 X 1,5	16,7	322,00	642,00	grey	V0: PAARTRONIC-CH LIHCH (TP)

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0507077	10 X 2 X 1,5	18,0	380,00	870,00	grey	V0: PAARTRONIC-CH LIHCH (TP)
0507078	12 X 2 X 1,5	19,5	442,00	939,00	grey	V0: PAARTRONIC-CH LIHCH (TP)