

Sondertypen / Special Manufacturing

LIH (ST)H-F (TP/TT)

halogen free control cable
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Verwendung:

Cables designed for signalling control circuits, control circuits in industrial applications, in measurement technology, for analogue and digital signals transmission in electronic industrial and automatic control engineering systems. For fixed installations and mobile/portable devices. Suitable for usage in internal systems, in both dry and damp rooms.
[INDEX:20201001SQ]

Aufbau:

-Conductors: multi-stranded copper conductors, class 5 as per EN 60228
-Insulation: special halogen-free compound
Conductor marking: pairs: black/white; triples: black/white/red
Stranding element: cores twisted together or pairs twisted together
Screen: aluminium backed polyester tape
Sheath: special halogen-free compound,
Sheath colour: grey
*PiMF – individual screen – aluminium backed polyester tape with tinned copper drain wire on each pair

Application:

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Technische Daten:

Leiter Werkstoff	Kupfer, blank
Leiterklasse	Klasse 5 nach DIN VDE 0295, bzw. IEC 60228
Aderisolationwerkstoff	Halogen free compound
Aderkennung	pairs: black/white; triples: black/white/red
Verseilung	Adern in Lagen verseilt
Außenmantelwerkstoff	special halogen free compound
Mantelfarbe	Grau (RAL 7001 oder RAL 7032)
Nennspannung [V]	300 / 500
Prüfspannung [V]	2000
Leiterwiderstand	
Isolationswiderstand	100 MΩm x km
Strombelastbarkeit	< 150 nF/km
kleinster Biegeradius fest [xd]	10x d
kleinster Biegeradius bewegt [xd]	
Betriebstemp. fest min/max [C]	-30°C bis +80°C
Betriebstemp. bew. min/mac [C]	
Temperatur am Leiter max.	
Brandverhalten	
Normen	

Technical Data:

Conductor Material	Copper, bare
Conductor class	Class 5 acc. to DIN VDE 0295 or IEC 60228
core insulation	Halogen free compound
core identification	pairs: black/white; triples: black/white/red
stranding	Cores twisted into layers
outer sheath	special halogen free compound
sheath colour	Grey (RAL 7001 or RAL 7032)
rated voltage [V]	300/50
testing voltage [V]	2000
conductor resistance	
insulation resistance	100 MΩm x km
current carrying capacity	< 150 nF/km
min. bending radius fixed [xd]	10x d
min. bending radius moved [xd]	
working temp fixed min/max [C]	-30°C up to +80°C
working temp moved min/mac [C]	
temp at conductor max.	
burning behaviour	
Approvals	

Kontakt:

Kabel / Cable

Art Nr. Part No.	Adern x Querschnitt no. of cores x cross section	Außen Ø ca. mm outer Ø ca. mm	CU Gewicht kg/100m copper weight kg/100m	Gewicht kg/100m weight kg/100m
2400120075	1x2 x 0,75	6.20	1.92	5.20
2400130050	1x3 x 0,5	6.50	2.64	6.20
2410220075	2x2x x 0,75 PIMF	10.00	4.32	11.10
2410520075	5x2 x 0,75 PIMF	12.80	10.08	21.30

Kontakt: