

J-H(St)H

1 to 12 pairs, unit-stranded, LSZH-HFFR Sheath

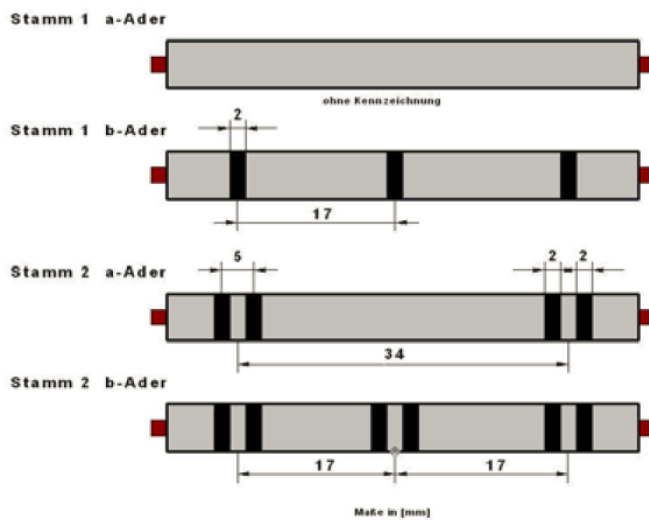


C5307, C5308, C5309, C5310, C5311, C5312, C5313, C5314, C5315, C5316, C5317

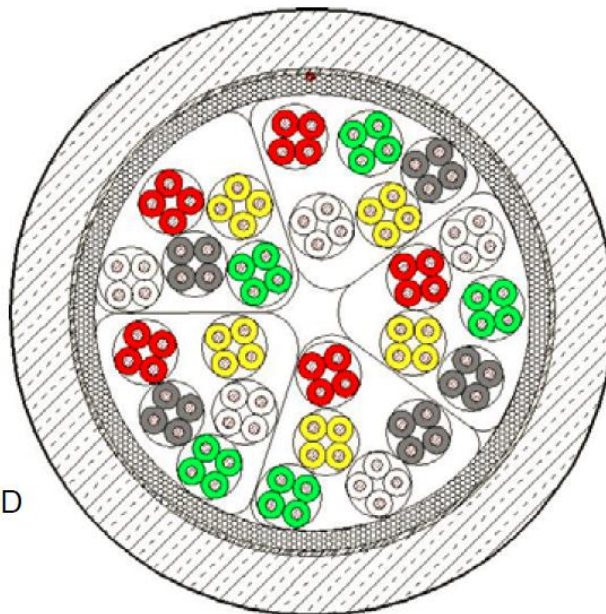
Applications

Used in local networks, especially for fixed indoor installations in fire protected areas. Not admissible as power installation cable and not allowed for laying in ground.

Cross Section Drawing



Ring marking of quads



Principle drawing

J-H(St)H 50x2x0.6 STIII BD

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Design

Unit	Properties
Conductor	Soft annealed solid copper, 0.6 or 0.8mm
Insulation	Halogen free, flame-retardant compound (H) Quad: Marking of cores of star quad with black rings according to DIN VDE 0815 Basic Unit: 5 main colours of star quad: red, green, grey, yellow, white. Marking units of basic and main units are marked with a red open helix, all others have a white helix.
Twisting	Quads in units-stranding (SZ-stranding)
Cable Core Wrapping	At least one layer of plastic tape
Screen	Electrostatic screen; tinned copper drain wire of diameter 0.6 or 0.8mm galvanically connected with the laminated aluminium/PETP tape.
Sheath	Halogen free, flame-retardant compound (H) Standard colour: Grey
Standard Put Up Length	1000 or 2000 meters

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

Physical Characteristics

J-H(St)H n×2×0.6 St III BD

Part Number	C5307	C5308	C5309	C5310	C5311	C5312	C5313
No of Pairs	2	10	20	30	50	100	200
Nom. Conductor Diameter(mm)	0.60						
Max. average Overall Diameter(mm)	6.5	11.0	13.7	16.0	20.0	27.0	38.0
Copper content (kg/km)	15	60	116	172	286	568	1134
Nominal Cable Weight (kg/km)	60	150	240	320	500	920	1740
Min. Admissible Bending Radius	7.5 × OD						
Temperature range during operation (°C)	-30 to 70						
Temperature range during installation (°C)	-5 to 50						

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J-H(St)H n×2×0.8 St III BD

Part Number	C5314	C5315	C5316	C5317
No of Pairs	2	4	20	50
Nom. Conductor Diameter(mm)	0.80			
Max. average Overall Diameter(mm)	8.0	12.0	18.0	27.0
Copper content (kg/km)	26	46	207	508
Nominal Cable Weight (kg/km)	80	130	380	850
Min. Admissible Bending Radius	7.5 × OD			
Temperature range during operation (°C)	-30 to 70			
Temperature range during installation (°C)	-5 to 50			

Electrical Characteristics at 20°C

Cable type	J-H(St)H n×2×0.6 St III BD	J-H(St)H n×2×0.8 St III BD
Conductor diameter (mm)	0.60	0.80
Max. Conductor Loop resistance (Ω/km)	130	73.2
Min. Insulation resistance (MΩ × km)	100	
Max. Mutual capacitance at 800Hz (nF/km)	120*	
Max. Capacitance unbalance at 800Hz k1 (pF/100m)	300**	
Max. Capacitance unbalance at 800Hz k9-12 (pF/100m)	100***	
Test voltage at 50Hz for 1min. core to core (V)	800	
Test voltage at 50Hz for 1min. core to screen (V)	800	
Operating peak voltage (V)	300	

* For cable with 4 pairs mentioned value may not exceed 20%

**20% of the values, at least however 1 value may amount to 500pF.

***10% of the values, at least however 4 values (ratios), may amount to 300Pf.

Reference Standards

(BS) EN 50290-2	DIN EN 50266-2-4
IEC 60228	IEC 60332-3-24
DIN VDE 0815	RoHS directives