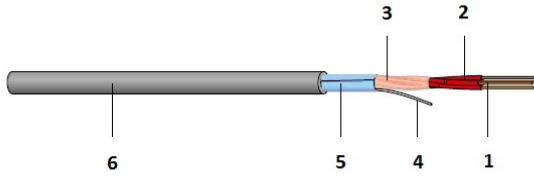


J-H(St)H...Bd

Wiring cable for telecommunication systems, max. 300V, Euroclass Dca

halogen-free, with improved fire characteristics,
VDE 0815



- 1 Conductor: solid
- 2 Insulation: halogen-free polymer compound wire
- 3 Drain wire: tinned copper
- 4 Separator: plastic tape
- 5 Shielding: Alu-laminated plastic foil
- 6 Sheaths: FRNC/LSZH



Description

Installation cable with electrostatic shield for areas vulnerable to fire and with high concentration of people and property value. For ICT systems for lossless data and signal transmission. Suitable for laying in dry and humid rooms, on-wall and in-wall, also for outdoor use. No underground laying. Not to be used for high-voltage transmission. Permitted operating temperature at conductor of +70° C.

Construction

Conductor	Bare copper, solid, 0.6 or 0.8 mm diameter
Insulation	Halogen-free polymer compound, EN 50290-2-26
Core colours	VDE 0815
Shielding	Al-laminated plastic foil with drain wire, copper tinned
Outer sheath material	Halogen-free polymer compound, EN 50290-2-27
Stranding	Cores twisted to star-quads and quads to units

General properties

Circuit Integrity	No
Insulation integrity	No
Installation temperature	-5 °C - +50 °C
Operating temperature	-30 °C - +70 °C

Electrical properties

Capacitive coupling 0,6 mm, 100m @ 800Hz	300 pF/km
Capacitive coupling 0,8 mm, 100m @ 800Hz	200 pF/km
Maximum loop resistance 0,6 mm	130 Ω/km
Maximum loop resistance 0,8 mm	73.2 Ω/km
Minimum insulation resistance	100 MΩ x km
operating capacity, 1km @ 800Hz	120 nF/km
peak voltage	300 V
Test voltage 50Hz, core/core	800 V
Test voltage 50Hz, core/screen	800 V

Mechanical properties

Minimum bending during installation (multi core)	7.5 x D
Minimum bending radius permanent (multi core)	2.5 x D

Standards

Reaction to fire (Euroclasses)	EN 13501-6: D _{ca}
Smoke density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2, AREI-RGIE Art.104-SD
Zero halogen no corrosive gases	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2, AREI-RGIE Art.104-SA
Flame propagation	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2, AREI-RGIE Art.104-F1
Flame spread	IEC 60332-3-24, EN 60332-3-24, AREI-RGIE Art.104-F2

Note

Additional dimensions available on request.

Versions

Material number	Product	Outer sheath colour	Outer sheath diameter [mm]	CU rate [kg/km]	Weight [kg/km]	Fire load [kWh/m]	Packing unit	GTIN / EAN
15283301DZ	J-H(St)H...Bd 2x2x0.6 mm	grey	5.4	14	42	0.10	by the metre	40393910102444
15283401DZ	J-H(St)H...Bd 4x2x0.6 mm	grey	7.1	25	69	0.15	by the metre	40393910102413
15283501DZ	J-H(St)H...Bd 6x2x0.6 mm	grey	8.4	37	86	0.18	by the metre	40393910102369
15283601DZ	J-H(St)H...Bd 10x2x0.6 mm	grey	9.9	59	124	0.23	by the metre	40393910102338
15283701DZ	J-H(St)H...Bd 20x2x0.6 mm	grey	15.5	116	237	0.39	by the metre	40393910102307
15445001DZ	J-H(St)H...Bd 30x2x0.6 mm	grey	16.3	172	324	0.55	by the metre	40393910101928
15445101DZ	J-H(St)H...Bd 40x2x0.6 mm	grey	15.7	229	410	0.67	by the metre	40393910101911
15445201DZ	J-H(St)H...Bd 50x2x0.6 mm	grey	20.7	286	515	0.79	by the metre	40393910101881
15445301DZ	J-H(St)H...Bd 60x2x0.6 mm	grey	22.6	342	600	0.96	by the metre	40393910101850
15445401DZ	J-H(St)H...Bd 80x2x0.6 mm	grey	24.8	455	800	1.38	by the metre	40393910101829
15445501DZ	J-H(St)H...Bd 100x2x0.6 mm	grey	28.2	568	990	1.56	by the metre	40393910101799

Material number	Product	Outer sheath colour	Outer sheath diameter [mm]	CU rate [kg/km]	Weight [kg/km]	Fire load [kWh/m]	Packing unit	GTIN / EAN
19100101DZ	J-H(St)H...Bd 1x2x0.8 mm	grey	5.7	15	56	0.11	by the metre	40393910095067
15283801DZ	J-H(St)H...Bd 2x2x0.8 mm	grey	6.5	25	69	0.13	by the metre	40393910102253
15268901DZ	J-H(St)H...Bd 4x2x0.8 mm	grey	10	45	112	0.20	by the metre	40393910102482
15283901DZ	J-H(St)H...Bd 6x2x0.8 mm	grey	10.5	65	141	0.35	by the metre	40393910102208
15284001DZ	J-H(St)H...Bd 10x2x0.8 mm	grey	13	106	204	0.32	by the metre	40393910102178
15284101DZ	J-H(St)H...Bd 20x2x0.8 mm	grey	20.4	206	370	0.61	by the metre	40393910102123
11599671DZ	J-H(St)H...Bd 30x2x0.8 mm	grey	17.3	307	524	0.78	by the metre	40393910102970
11720121DZ	J-H(St)H...Bd 40x2x0.8 mm	grey	19.4	407	666	1.02	by the metre	40393910102949
11720131DZ	J-H(St)H...Bd 50x2x0.8 mm	grey	21.3	508	810	1.20	by the metre	40393910102918
11720141DZ	J-H(St)H...Bd 60x2x0.8 mm	grey	22.6	608	975	1.37	by the metre	40393910102871
11720151DZ	J-H(St)H...Bd 80x2x0.8 mm	grey	30.8	809	1,325	2.06	by the metre	40393910102840
11720161DZ	J-H(St)H...Bd 100x2x0.8 mm	grey	31.9	1,010	1,600	2.35	by the metre	40393910102819

DoP available on request

Subject to technical modification

As of 2023-10-30 08:22:38