



Construction

Conductor Material	Solid bare copper, class 1
Insulation Material	Silicone compound, type EI2 to BS EN 50363-1
Strapping	Polyester tape + Glass fibre tape
Overall Shield	Aluminium/Polyester Tape
Drain Wire	Tinned copper (0.4 mm)
Sheath Material	EN 50290-2-27 HFFR Compound
Sheath Color	Orange
Core Identification	ac. to VDE 0815

Electrical Characteristics

Conductor Resistance	BS EN 60228
Insulation Resistance	100 MΩ.KM
Mutual Capacitance	120 nF/km
Working Voltage	225V
Test Voltage (AC)	1000V

Physical Characteristics

Physical Characteristics	during and permanent installation 10 x OD
Temperature Rating	Flexing -5°C to +50°C Static -30°C to +70°C






Standards

Design Reference	DIN VDE 0815
RoHS3, REACH Compliant	Yes
CE Compliant	Yes
CPR Certification	EN 50575: 2014+A1:2016 EN 13501-6: B2ca-s1a,d0,a1

ZHR D300 Prime Fire Resistance Series JE-H(St)H...Bd FE180/PH120 B2ca

Applications

Primarily designed for use in instrumentation and control engineering, industrial electronics, and signal transmission. It is ideal for indoor communication systems, safety and fire alarm systems

	Halogen & corrosive gas:	IEC 60754-1/2
	Flame retardant:	IEC 60332-1-2
	Fire propagation:	IEC 60332-3-24/25 EN 50399 (B2ca)
	Smoke density:	IEC 61034-2
	Circuit integrity:	IEC 60331-21/23 (FE180) IEC 60331-2 EN 50200 (PH120) EN 50200 Annex E

Part Number	Pairs	OD mm	Weight kg/km
0.6 mm			
FX-D3000601	1	4.6	27
FX-D3000602	2	5.3	39
FX-D3000603	3	6.7	55
FX-D3000604	4	7.9	69
FX-D3000605	5	8.3	81
FX-D3000606	6	10.0	98
FX-D3000608	8	10.3	116
FX-D3000610	10	10.7	136
0.8 mm			
FX-D3000801	1	5.4	38
FX-D3000802	2	6.2	54
FX-D3000803	3	7.9	80
FX-D3000804	4	9.5	103
FX-D3000805	5	9.8	119
FX-D3000806	6	11.9	144
FX-D3000808	8	12.3	178
FX-D3000810	10	12.8	208
1.0 mm			
FX-D3001001	1	5.7	48
FX-D3001002	2	7.0	71
FX-D3001003	3	9.0	105
FX-D3001004	4	10.8	137
FX-D3001005	5	11.2	160
FX-D3001006	6	13.8	197
FX-D3001008	8	14.2	240
FX-D3001010	10	14.7	286

* Other dimensions available on request; All dimensions in 100, 200 or 500 m length on drum.