



Construction

Conductor Material	Stranded bare copper, class 5
Insulation Material	Silicon 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 DIN 47100

Electrical Characteristics

Conductor Resistance	BS EN 60228
Insulation Resistance	100 MΩ.KM
Mutual Capacitance	120 nF/km
Working Voltage	300/500V
Test Voltage (AC)	2000V

Physical Characteristics

Physical Characteristics	during and permanent installation 7.5 x OD
Temperature Rating	Flexing -5°C to +50°C Static -30°C to +70°C

Standards

Design Reference	DIN VDE 0812
RoHS3, REACH Compliant	Yes
CE Compliant	Yes
CPR Certification	EN 50575: 2014+A1:2016 EN 13501-6: B2ca-s1a,d0,a1

ZHR D700 Prime Fire Resistance Series LiH(St)H 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	Cores	OD mm	Weight kg/km
0.5 mm²			
FX-D7000502	2	5.8	34
FX-D7000503	3	6.1	47
FX-D7000504	4	6.5	56
FX-D7000505	5	7.1	67
FX-D7000507	7	7.7	84
0.75 mm²			
FX-D7000702	2	6.5	50
FX-D7000703	3	6.8	61
FX-D7000704	4	7.4	75
FX-D7000705	5	8.0	91
FX-D7000707	7	8.6	111
1.0 mm²			
FX-D7001002	2	6.9	57
FX-D7001003	3	7.2	70
FX-D7001004	4	7.8	86
FX-D7001005	5	8.6	106
FX-D7001007	7	9.2	130
1.5 mm²			
FX-D7001502	2	7.5	71
FX-D7001503	3	7.9	89
FX-D7001504	4	8.6	111
FX-D7001505	5	9.3	136
2.5 mm²			
FX-D7002502	2	8.7	97
FX-D7002503	3	9.1	126
FX-D7002504	4	10.0	159
FX-D7002505	5	11.0	198

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