

FR-XOL, FR-XOSL

**FR-XOL
single &
multi-pair**



**FR-XOSL
single &
multi-pair**



**FR-XOL
multi-core**



**FR-XOSL
multi-core**



**FR-XOL
single & multi-pair**

**FR-XOSL
single & multi-pair**

**FR-XOL
multi-core**

**FR-XOSL
multi-core**

Conductor :
Fire Barrier :
Insulation :

Overall Screen :

Bedding :
Armouring :
Sheath :
Colour :

Reference Standard :
Test Standard :

Voltage U₀/U :
Conductor Stranding :
Operating Temperature :

Minimum Bending Radius :

Plain Annealed Copper
Mica Tape
(a) XLPE Compound or
(b) XLEVA Compound
Aluminium / Polyester Tape with 0.5mm²
(7/0.3mm) Tinned Drain Wire

LSZH Compound
Insulation: White and Black with
numberings

Sheath - Orange
BS 5308 / BS EN 50288-7 / BS 7629-1
IEC 60331

BS 6387 (C, W, Z), SS 299 (C, W, Z)
IEC 60332-3, BS 4066-3,
BS EN 50266-2-2
IEC 60754-1, BS 6425-1, BS EN 50267-1
IEC 60754-2, BS 6425-2, BS EN 50267-2
IEC 61034-2, BS 7622-2, BS EN 61034-2
300 / 500V

Class 2
(a) Max 90°C for XLPE
(b) Max 110°C for XLEVA
8D for unarmoured cable

Plain Annealed Copper
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(b) XLEVA Compound
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LSZH Compound
Galvanized Steel Wire

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Insulation: White and Black with
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(b) Max 110°C for XLEVA
10D for armoured cable

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300 / 500V

Class 2
(a) Max 90°C for XLPE
(b) Max 110°C for XLEVA
10D for armoured cable

Fire Resistant Instrumentation Cables FR-XOL, FR-XOSL

Table 5

SIZE			FR-XOL		FR-XOSL				
Nominal Conductor Area (mm ²)	No. & Diameter of Wires (no./mm)	Radial Thickness of Insulation (mm)	Unarmoured		Armoured				
			Cable Overall Diameter (mm)	Approx. Weight (kg/km)	Diameter Under Armour (mm)	Armour Wire Diameter (mm)	Cable Overall Diameter (mm)	Approx. Weight (kg/km)	
1P x 1.0	7 / 0.43	0.6	8.0	76	8.0	0.90	12.4	281	1 Pair
1P x 1.5	7 / 0.53	0.7	8.5	94	8.5	0.90	13.1	332	
1P x 2.5	7 / 0.67	0.8	10.5	130	10.5	0.90	15.1	401	
2P x 1.0	7 / 0.43	0.6	12.4	120	12.4	0.90	17.4	370	2 Pairs
2P x 1.5	7 / 0.53	0.7	14.0	160	14.0	0.90	18.4	450	
2P x 2.5	7 / 0.67	0.8	16.0	230	16.0	0.90	20.5	550	
5P x 1.0	7 / 0.43	0.6	16.5	276	16.5	1.25	22	854	5 Pairs
5P x 1.5	7 / 0.53	0.7	20.5	368	20.5	1.25	26.2	1023	
5P x 2.5	7 / 0.67	0.8	23.0	518	23.0	1.25	28.9	1276	
10P x 1.0	7 / 0.43	0.6	20.5	501	20.5	1.25	26.4	1271	10 Pairs
10P x 1.5	7 / 0.53	0.7	26.0	673	26.0	1.60	32.8	1742	
10P x 2.5	7 / 0.67	0.8	29.5	971	29.5	1.60	36.5	2205	
20P x 1.0	7 / 0.43	0.6	26.5	917	26.5	1.60	33.3	2197	20 Pairs
20P x 1.5	7 / 0.53	0.7	34.0	1258	34.0	1.60	41.2	2705	
20P x 2.5	7 / 0.67	0.8	38.5	1830	38.5	2.00	46.7	3836	

Note: Other conductor sizes & core configurations are available upon request.
: Braided Screen and / or armoured cables are available upon request.

Fire Resistant Instrumentation Cables FR-XOL, FR-XOSL

Table 6

SIZE		Radial Thickness of Insulation (mm)	FR-XOL		FR-XOSL				
Nominal Conductor Area (mm ²)	No. & Diameter of Wires (no./mm)		Unarmoured		Armoured				
			Cable Overall Diameter (mm)	Approx. Weight (kg/km)	Diameter Under Armour (mm)	Armour Wire Diameter (mm)	Cable Overall Diameter (mm)	Approx. Weight (kg/km)	
2 x 1.0	7 / 0.43	0.6	8.0	82	8.0	0.90	12.4	288	2 Cores
2 x 1.5	7 / 0.53	0.7	8.5	101	8.5	0.90	13.1	342	
2 x 2.5	7 / 0.67	0.8	10.5	137	10.5	0.90	15.1	419	
2 x 4	7 / 0.85	0.8	12.5	180	12.5	0.90	17.1	484	
3 x 1.0	7 / 0.43	0.6	8.0	100	8.0	0.90	12.4	324	3 Cores
3 x 1.5	7 / 0.53	0.7	9.5	127	9.5	0.90	14.1	383	
3 x 2.5	7 / 0.67	0.8	12.0	176	12.0	0.90	16.6	466	
3 x 4	7 / 0.85	0.8	13.5	236	13.5	0.90	18.1	560	
4 x 1.0	7 / 0.43	0.6	9.0	127	9.0	0.90	13.6	383	4 Cores
4 x 1.5	7 / 0.53	0.7	10.5	161	10.5	0.90	15.1	445	
4 x 2.5	7 / 0.67	0.8	13.0	224	13.0	0.90	17.6	548	
4 x 4	7 / 0.85	0.8	15.0	302	15.0	1.25	20.5	772	
7 x 1.0	7 / 0.43	0.6	11.0	187	11.0	0.90	15.6	485	7 Cores
7 x 1.5	7 / 0.53	0.7	12.5	250	12.5	0.90	17.3	597	
7 x 2.5	7 / 0.67	0.8	15.0	354	15.0	1.25	20.5	862	
12 x 1.5	7 / 0.53	0.7	16.0	402	16.0	1.25	21.7	997	12 Cores
12 x 2.5	7 / 0.67	0.8	20.0	585	20.0	1.60	26.4	1421	
19 x 1.5	7 / 0.53	0.7	19.0	597	19.0	1.60	25.6	1465	19 Cores
19 x 2.5	7 / 0.67	0.8	24.0	873	24.0	1.60	30.6	1837	

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multi-pairFR-XIOSL
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Insulation :

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Fire Resistant Instrumentation Cables FR-XIOL, FR-XIOSL

Table 7

SIZE		Radial Thickness of Insulation (mm)	FR-XIOL		FR-XIOSL				
Nominal Conductor Area (mm ²)	No. & Diameter of Wires (no./mm)		Unarmoured		Armoured				
			Cable Overall Diameter (mm)	Approx. Weight (kg/km)	Diameter Under Armour (mm)	Armour Wire Diameter (mm)	Cable Overall Diameter (mm)	Approx. Weight (kg/km)	
2P x 1.0	7 / 0.43	0.6	15.2	166	15.2	0.90	20.0	555	2 Pairs
2P x 1.5	7 / 0.53	0.7	17.0	205	17.0	1.25	22.7	769	
2P x 2.5	7 / 0.67	0.8	19.2	350	19.2	1.25	24.9	938	
5P x 1.0	7 / 0.43	0.6	17.5	335	17.5	1.25	23.2	1000	5 Pairs
5P x 1.5	7 / 0.53	0.7	21.5	433	21.5	1.60	28.1	1352	
5P x 2.5	7 / 0.67	0.8	24.0	592	24.0	1.60	30.8	1665	
10P x 1.0	7 / 0.43	0.6	22.5	626	22.5	1.60	29.3	1800	10 Pairs
10P x 1.5	7 / 0.53	0.7	28.0	811	28.0	1.60	35.0	2165	
10P x 2.5	7 / 0.67	0.8	31.5	1132	31.5	2.00	39.5	3007	
20P x 1.0	7 / 0.43	0.6	30.5	1143	30.5	2.00	38.5	3019	20 Pairs
20P x 1.5	7 / 0.53	0.7	38.0	1509	38.0	2.00	46.2	3684	
20P x 2.5	7 / 0.67	0.8	42.5	2112	42.5	2.50	51.9	5107	

Note: Other conductor sizes & core configurations are available upon request.
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