FRT-XOL, FRT-XOSL

FRT-XOL
single &
multi-pair

FRT-XOSL
single &
multi-pair

FRT-XOL
multi-core

FRT-XOSL
multi-core

	FRT-XOL single & multi-pair	FRT-XOSL single & multi-pair	FRT-XOL multi-core	FRT-XOSL multi-core
Conductor :	Plain Annealed Copper	Plain Annealed Copper	Plain Annealed Copper	Plain Annealed Copper
Insulation :	(a) XLPE Compound or (b) XLEVA Compound	(a) XLPE Compound or (b) XLEVA Compound	(a) XLPE Compound or (b) XLEVA Compound	(a) XLPE Compound or (b) XLEVA Compound
Individual Screen :				
Overall Screen :	Aluminium / Polyester Tape with 0.5mm² (7/0.3mm) Tinned Drain Wire	Aluminium / Polyester Tape with 0.5mm² (7/0.3mm) Tinned Drain Wire	Aluminium / Polyester Tape with 0.5mm² (7/0.3mm) Tinned Drain Wire	Aluminium / Polyester Tape with 0.5mm² (7/0.3mm) Tinned Drain Wire
Bedding :		LSZH Compound		LSZH Compound
Armouring :		Galvanized Steel Wire		Galvanized Steel Wire
Sheath :	LSZH Compound	LSZH Compound	LSZH Compound	LSZH Compound
Colour :	Insulation: White and Black with numberings Sheath - Black	Insulation: White and Black with numberings Sheath - Black	Insulation: White with Black numberings Sheath - Black	Insulation: White with Black numberings Sheath - Black
Reference Standard :	BS 5308 / BS EN 50288-7	BS 5308 / BS EN 50288-7	BS 5308 / BS EN 50288-7	BS 5308 / BS EN 50288-7
Test Standard :	IEC 60332-3, BS 4066-3, BS EN 50266-2-2 IEC 60754-1, BS 6425-1, BS EN 50267-2-1 IEC 60754-2, BS 6425-2, BS EN 50267-2-2 IEC 61034-2, BS 7622-2, BS EN 61034-2	IIEC 60332-3, BS 4066-3, BS EN 50266-2-2 IEC 60754-1, BS 6425-1, BS EN 50267-2-1 IEC 60754-2, BS 6425-2, BS EN 50267-2-2 IEC 61034-2, BS 7622-2, BS EN 61034-2	IEC 60332-3, BS 4066-3, BS EN 50266-2-2 IEC 60754-1, BS 6425-1, BS EN 50267-2-1 IEC 60754-2, BS 6425-2, BS EN 50267-2-2 IEC 61034-2, BS 7622-2, BS EN 61034-2	IEC 60332-3, BS 4066-3, BS EN 50266-2-2 IEC 60754-1, BS 6425-1, BS EN 50267-2-1 IEC 60754-2, BS 6425-2, BS EN 50267-2-2 IEC 61034-2, BS 7622-2, BS EN 61034-2
Voltage Uo/U :	300 / 500V	300 / 500V	300 / 500V	300 / 500V
Conductor Stranding :	Class 2 or Class 5	Class 2 or Class 5	Class 2 or Class 5	Class 2 or Class 5
Operating Temperature :	(a) Max 90°C for XLPE (b) Max 110°C for XLEVA	(a) Max 90°C for XLPE (b) Max 110°C for XLEVA	(a) Max 90°C for XLPE (b) Max 110°C for XLEVA	(a) Max 90°C for XLPE (b) Max 110°C for XLEVA
Minimum Bending Radius :	8D for unarmoured cable	10D for armoured cable	8D for unarmoured cable	10D for armoured cable

Flame Retardant Instrumentation Cables FRT-XOL, FRT-XOSL

Table 11

SIZE			FRT-XOL		FRT-XOSL			
			Unarmoured		Armoured			
Nominal Conductor Area (mm^2)	No. & Diameter of Wires (no./mm)	Radial Thickness of Insulation (mm)	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 0.5	16 / 0.20	0.6	7.0	56	7.0	0.90	11.4	230
1T x 0.5	16 / 0.20	0.6	7.4	60	7.4	0.90	11.7	252
2P x 0.5	16 / 0.20	0.6	10.5	80	10.5	0.90	15.2	350
5P x 0.5	16 / 0.20	0.6	13.1	170	13.1	0.90	17.9	500
10P x 0.5	16 / 0.20	0.6	17.2	280	17.2	1.25	22.9	830
15P x 0.5	16 / 0.20	0.6	19.8	385	19.8	1.60	26.4	1150
20P x 0.5	16 / 0.20	0.6	22.3	480	22.3	1.60	29.1	1360
30P x 0.5	16 / 0.20	0.6	26.9	690	26.9	1.60	33.9	1750
50P x 0.5	16 / 0.20	0.6	33.9	1080	33.9	2.00	42.1	2730
1P x 1.0	7 / 0.43	0.6	7.4	68	7.4	0.90	11.8	250
1T x 1.0	7 / 0.43	0.6	8.2	81	8.2	0.90	12.8	302
2P x 1.0	7 / 0.43	0.6	12.0	105	12.0	0.90	17.0	360
5P x 1.0	7 / 0.43	0.6	14.2	230	14.2	1.25	19.7	680
10P x 1.0	7 / 0.43	0.6	18.4	385	18.4	1.25	24.3	980
15P x 1.0	7 / 0.43	0.6	21.3	540	21.3	1.60	28.1	1380
20P x 1.0	7 / 0.43	0.6	24.4	705	24.4	1.60	31.2	1650
30P x 1.0	7 / 0.43	0.6	29.0	995	29.0	1.60	36.2	2150
50P x 1.0	7 / 0.43	0.6	37.3	1630	37.3	2.00	45.7	3430
1P x 1.5	7 / 0.53	0.6	8.3	85	8.3	0.90	12.9	290
1T x 1.5	7 / 0.53	0.6	8.9	106	8.9	0.90	13.5	345
2P x 1.5	7 / 0.53	0.6	13.5	145	13.5	0.90	18.0	450
5P x 1.5	7 / 0.53	0.6	16.4	315	16.4	1.25	22.1	840
10P x 1.5	7 / 0.53	0.6	21.6	550	21.6	1.60	28.4	1410
15P x 1.5	7 / 0.53	0.6	25.2	790	25.2	1.60	32.2	1790
20P x 1.5	7 / 0.53	0.6	28.5	1000	28.5	1.60	35.7	2150
30P x 1.5	7 / 0.53	0.6	34.3	1460	34.3	2.00	42.5	3100
50P x 1.5	7 / 0.53	0.6	43.6	2340	43.6	2.00	53.4	4920

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

Flame Retardant Instrumentation Cables FRT-XOL, FRT-XOSL

Table 12

SIZE			FRT-XOL		FRT-XOSL			
			Unarmoured		Armoured			
Nominal Conductor Area (mm^2)	No. & Diameter of Wires (no./mm)	Radial Thickness of Insulation (mm)	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 0.5	16 / 0.20	0.6	7.0	50	7.0	0.90	11.4	237
3 x 0.5	16 / 0.20	0.6	7.3	59	7.3	0.90	11.7	254
4 x 0.5	16 / 0.20	0.6	7.9	69	7.9	0.90	12.3	278
6 x 0.5	16 / 0.20	0.6	9.3	94	9.3	0.90	13.9	345
10 x 0.5	16 / 0.20	0.6	11.9	147	11.9	0.90	16.7	470
20 x 0.5	16 / 0.20	0.6	14.9	253	14.9	1.25	20.6	759
40 x 0.5	16 / 0.20	0.6	20.1	444	20.1	1.60	26.7	1229
2 x 0.75	24 / 0.20	0.6	7.3	57	7.3	0.90	11.7	251
3 x 0.75	24 / 0.20	0.6	7.7	68	7.7	0.90	12.1	272
4 x 0.75	24 / 0.20	0.6	8.3	81	8.3	0.90	12.9	310
6 x 0.75	24 / 0.20	0.6	9.9	114	9.9	0.90	14.5	379
10 x 0.75	24 / 0.20	0.6	12.7	179	12.7	0.90	17.5	522
20 x 0.75	24 / 0.20	0.6	16.0	311	16.0	1.25	21.7	858
40 x 0.75	24 / 0.20	0.6	21.7	555	21.7	1.60	28.5	1420
2 x 1.5	7 / 0.53	0.6	8.3	78	8.3	0.90	12.9	300
3 x 1.5	7 / 0.53	0.6	8.9	103	8.9	0.90	13.5	345
4 x 1.5	7 / 0.53	0.6	9.7	125	9.7	0.90	14.3	377
6 x 1.5	7 / 0.53	0.6	11.7	163	11.7	0.90	16.3	490
10 x 1.5	7 / 0.53	0.6	14.7	285	14.7	1.25	20.4	773
20 x 1.5	7 / 0.53	0.6	18.7	504	18.7	1.25	25.3	1262
40 x 1.5	7 / 0.53	0.6	24.6	935	24.6	1.60	31.6	1968

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

FRT-XIOL multi-pair

FRT-XIOSL multi-pair

	FRT-XIOL multi-pair	FRT-XIOSL multi-pair
Conductor :	Plain Annealed Copper	Plain Annealed Copper
Insulation :	(a) XLPE Compound or (b) XLEVA Compound	(a) XLPE Compound or (b) XLEVA Compound
Individual Screen :	Aluminium / Polyester Tape with 0.5mm^2 (7/0.3mm) Tinned Drain Wire	Aluminium / Polyester Tape with 0.5mm^2 (7/0.3mm) Tinned Drain Wire
Overall Screen :	Aluminium / Polyester Tape with 0.5mm^2 (7/0.3mm) Tinned Drain Wire	Aluminium / Polyester Tape with 0.5mm^2 (7/0.3mm) Tinned Drain Wire
Bedding :		LSZH Compound
Armouring :		Galvanized Steel Wire
Sheath :	LSZH Compound	LSZH Compound
Colour :	Insulation: White and Black with numberings Sheath - Black	Insulation: White and Black with numberings Sheath - Black
Reference Standard :	BS 5308 / BS EN 50288-7	BS 5308 / BS EN 50288-7
Test Standard :	IEC 60332-3, BS 4066-3, BS EN 50266-2-2 IEC 60754-1, BS 6425-1, BS EN 50267-2-1 IEC 60754-2, BS 6425-2, BS EN 50267-2-2 IEC 61034-2, BS 7622-2, BS EN 61034-2	IEC 60332-3, BS 4066-3, BS EN 50266-2-2 IEC 60754-1, BS 6425-1, BS EN 50267-2-1 IEC 60754-2, BS 6425-2, BS EN 50267-2-2 IEC 61034-2, BS 7622-2, BS EN 61034-2
Voltage Uo/U :	300 / 500V	300 / 500V
Conductor Stranding :	Class 2 or Class 5	Class 2 or Class 5
Operating Temperature :	(a) Max 90°C for XLPE (b) Max 110°C for XLEVA	(a) Max 90°C for XLPE (b) Max 110°C for XLEVA
Minimum Bending Radius :	8D for unarmoured cable	10D for armoured cable

Flame Retardant Instrumentation Cables FRT-XIOL, FRT-XIOSL

Table 13

SIZE			FRT-XIOL		FRT-XIOSL			
			Unarmoured		Armoured			
Nominal Conductor Area (mm²)	No. & Diameter of Wires (no./mm)	Radial Thickness of Insulation (mm)	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 0.5	16 / 0.20	0.6	12.0	130	12.0	0.90	16.8	430
5P x 0.5	16 / 0.20	0.6	15.2	230	15.2	1.25	20.9	720
10P x 0.5	16 / 0.20	0.6	21.1	400	21.1	1.60	27.9	1240
15P x 0.5	16 / 0.20	0.6	24.5	560	24.5	1.60	31.3	1530
20P x 0.5	16 / 0.20	0.6	27.3	690	27.3	1.60	34.3	1770
30P x 0.5	16 / 0.20	0.6	32.3	990	32.3	2.00	40.5	2550
50P x 0.5	16 / 0.20	0.6	41.7	1610	41.7	2.50	51.5	4080
2P x 1.0	7 / 0.43	0.6	12.8	155	12.8	0.90	17.6	480
5P x 1.0	7 / 0.43	0.6	16.2	285	16.2	1.25	21.9	800
10P x 1.0	7 / 0.43	0.6	22.6	500	22.6	1.60	29.4	1400
15P x 1.0	7 / 0.43	0.6	26.2	720	26.2	1.60	33.2	1760
20P x 1.0	7 / 0.43	0.6	29.8	930	29.8	2.00	37.8	2350
30P x 1.0	7 / 0.43	0.6	35.4	1350	35.4	2.00	43.8	3060
50P x 1.0	7 / 0.43	0.6	44.9	2130	44.9	2.50	54.9	4800
2P x 1.5	7 / 0.53	0.6	14.7	210	14.7	1.25	20.4	670
5P x 1.5	7 / 0.53	0.6	18.8	380	18.8	1.60	25.4	1110
10P x 1.5	7 / 0.53	0.6	26.5	690	26.5	1.60	33.5	1750
15P x 1.5	7 / 0.53	0.6	30.8	990	30.8	2.00	38.8	2460
20P x 1.5	7 / 0.53	0.6	34.4	1240	34.4	2.00	42.6	2910
30P x 1.5	7 / 0.53	0.6	41.0	1820	41.0	2.50	50.8	4250
50P x 1.5	7 / 0.53	0.6	52.2	2890	52.2	2.50	62.6	6040

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