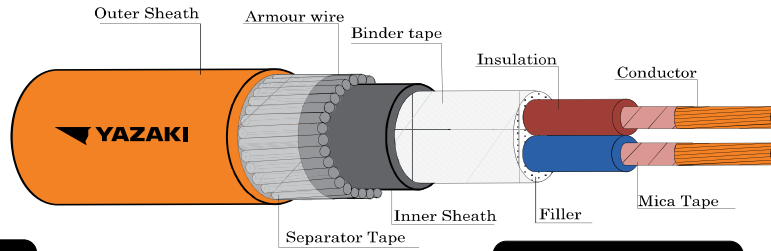


FS/FDLH-0.6/1KV-CE-SWA

0.6/1 kV 90°C MICA TAPE CROSS-LINKED POLYETHYLENE INSULATED POLYOLEFIN SHEATHED, WITH GALVANIZED STEEL WIRE ARMORED FLAME RETARDANT, LOW SMOKE AND ZERO HALOGEN POWER CABLE



CABLE STRUCTURE

- Conductor** : Non-Compacted and compacted round annealed copper
- Fire barrier tape** : Mica tape
- Insulation** : Cross-Linked polyethylene (XLPE)
- Core identification**
2 Cores : Blue, Brown
- Inner Sheath** : Black Low smoke and zero halogen flame retardant polyolefin(ST8)
- Armor** : Galvanized steel wires
- Sheath** : Orange low smoke and zero halogen flame retardant polyolefin(ST8)

TECHNICAL DATA

- Classification** : Maximum conductor temperature 90°C
: Circuit voltage not exceeding 1,200 Volts
- Rated voltage** : 600 Volts between Line to Earth
: 1,000 Volts between Line to Line
- Testing voltage** : 3,500 Volts
- Reference Standard**
 - Construction** : IEC 60502-1, BS 7846
 - Circuit integrity** : BS 6387 Category C,W,Z
 - Flame retardant** : BS EN 60332-1-2
IEC 60332-3-22 Category A
IEC 60332-3-23 Category B
IEC 60332-3-24 Category C
 - Acid gas emission** : IEC 60754-1, IEC 60754-2
 - Smoke emission** : IEC 61034-2
 - Non-toxic gases** : Defence standard 02-713

APPLICATION

For installation into conduit and surface wiring which provide flame retardant, low smoke & corrosive gases properties and maintain circuit integrity in case of fire.

Number of core	Nominal cross sectional area (mm ²)	Conductor type	Insulation thickness nominal (mm)	Inner sheath thickness nominal (mm)	Dia. of inner sheath approx. (mm)	Diameter of steel wire armor nominal (mm)	Outer sheath thickness nominal (mm)	Overall diameter approx. (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 20°C minimum (MΩ-km)	Continuous current rating in free air at 40°C maximum (A)	Continuous current rating in ground at 30°C maximum (A)	Cable weight approx. (kg/km)	Standard Length (m)
2	1.5	Non-Compacted	0.7	1.2	11.0	1.25	1.8	18.0	12.1	2,500	30	35	500	500/D
	2.5	Non-Compacted	0.7	1.2	12.0	1.25	1.8	18.5	7.41	2,100	39	46	600	500/D
	4	Non-Compacted	0.7	1.2	13.0	1.25	1.8	20.0	4.61	1,700	51	59	700	500/D
	6	Non-Compacted	0.7	1.2	14.5	1.25	1.8	21.0	3.08	1,450	66	74	750	500/D
	10	Compacted	0.7	1.2	15.5	1.25	1.8	22.0	1.83	1,250	88	98	900	500/D
	16	Compacted	0.7	1.2	17.5	1.60	1.8	25.0	1.15	1,000	116	126	1200	500/D
	25	Compacted	0.9	1.2	21.0	1.60	1.8	28.5	0.727	1,050	154	162	1600	500/D
	35	Compacted	0.9	1.2	23.0	2.00	1.9	31.5	0.524	900	188	194	2100	500/D
	50	Compacted	1.0	1.2	26.0	2.00	2.0	35.0	0.387	850	228	230	2500	500/D
	70	Compacted	1.1	1.2	29.5	2.00	2.2	39.0	0.268	800	285	281	3200	500/D
	95	Compacted	1.1	1.2	33.0	2.00	2.3	42.5	0.193	650	350	336	3900	500/D
	120	Compacted	1.2	1.3	37.0	2.50	2.5	48.0	0.153	650	404	381	5000	500/D
	150	Compacted	1.4	1.3	40.5	2.50	2.6	51.5	0.124	700	458	426	6000	500/D
	185	Compacted	1.6	1.4	45.5	2.50	2.7	57.0	0.0991	700	528	479	7000	500/D
	240	Compacted	1.7	1.5	51.0	2.50	2.9	63.0	0.0754	650	622	552	8500	500/D
	300	Compacted	1.8	1.6	56.0	2.50	3.1	68.5	0.0601	600	710	618	10500	300/D
400	Compacted	2.0	1.8	62.5	3.15	3.4	77.0	0.0470	600	815	693	13500	300/D	

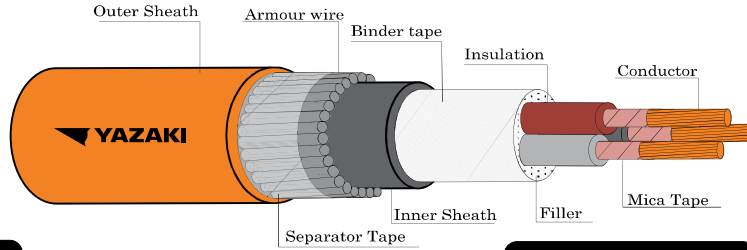
Number of cores	Nominal cross sectional area (mm ²)	A.C. Resistance R	Inductance L	Reactance XL	Impedance Z
		(Ω/km)	(mH/km)	(Ω/km)	(Ω/km)
2	1.5	15.4287	0.3427	0.1077	15.4291
	2.5	9.4485	0.3249	0.1021	9.4491
	4	5.8782	0.3026	0.0951	5.8790
	6	3.9273	0.2890	0.0908	3.9284
	10	2.3335	0.2747	0.0863	2.3351
	16	1.4665	0.2614	0.0821	1.4688
	25	0.9272	0.2637	0.0829	0.9309
	35	0.6684	0.2567	0.0807	0.6733
	50	0.4938	0.2435	0.0765	0.4997
	70	0.3423	0.2395	0.0752	0.3504
	95	0.2468	0.2331	0.0732	0.2575
	120	0.1960	0.2289	0.0719	0.2088
	150	0.1593	0.2302	0.0723	0.1749
	185	0.1278	0.2326	0.0731	0.1472
	240	0.0981	0.2281	0.0717	0.1215
	300	0.0791	0.2260	0.0710	0.1063
400	0.0630	0.2259	0.0710	0.0949	

Remark : Thermal resistivity of soil 1.2 K.m/W or °C.m/W
Deep of laying (For cable laid direct in ground) 0.8 m

D : Packing in drum

FS/FDLH-0.6/1KV-CE-SWA

0.6/1 kV 90°C MICA TAPE CROSS-LINKED POLYETHYLENE INSULATED POLYOLEFIN SHEATHED, WITH GALVANIZED STEEL WIRE ARMORED
FLAME RETARDANT, LOW SMOKE AND ZERO HALOGEN POWER CABLE



CABLE STRUCTURE

- Conductor** : Non-Compacted and compacted round annealed copper
- Fire barrier tape** : Mica tape
- Insulation** : Cross-Linked polyethylene (XLPE)
- Core identification**
3 Cores : Brown, Black, Grey
- Inner Sheath** : Black Low smoke and zero halogen flame retardant polyolefin(ST8)
- Armor** : Galvanized steel wires
- Sheath** : Orange low smoke and zero halogen flame retardant polyolefin(ST8)

TECHNICAL DATA

- Classification** : Maximum conductor temperature 90°C
: Circuit voltage not exceeding 1,200 Volts
- Rated voltage** : 600 Volts between Line to Earth
: 1,000 Volts between Line to Line
- Testing voltage** : 3,500 Volts
- Reference Standard**
Construction : IEC 60502-1, BS 7846
Circuit integrity : BS 6387 Category C,W,Z
Flame retardant : BS EN 60332-1-2
IEC 60332-3-22 Category A
IEC 60332-3-23 Category B
IEC 60332-3-24 Category C
Acid gas emission : IEC 60754-1, IEC 60754-2
Smoke emission : IEC 61034-2
Non-toxic gases : Defence standard 02-713

APPLICATION

For installation into conduit and surface wiring which provide flame retardant, low smoke & corrosive gases properties and maintain circuit integrity in case of fire.

Number of core	Nominal cross sectional area (mm ²)	Conductor type	Insulation thickness nominal (mm)	Inner sheath thickness nominal (mm)	Dia. of inner sheath approx. (mm)	Diameter of steel wire armor nominal (mm)	Outer sheath thickness nominal (mm)	Overall diameter approx. (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 20°C minimum (MQ-km)	Continuous current rating in free air at 40°C maximum (A)	Continuous current rating in ground at 30°C maximum (A)	Cable weight approx. (kg/km)	Standard Length (m)
3	1.5	Non-Compacted	0.7	1.2	12.0	1.25	1.8	18.5	12.1	2,500	26	30	600	500/D
	2.5	Non-Compacted	0.7	1.2	12.5	1.25	1.8	19.5	7.41	2,100	34	39	650	500/D
	4	Non-Compacted	0.7	1.2	14.0	1.25	1.8	20.5	4.61	1,700	45	51	750	500/D
	6	Non-Compacted	0.7	1.2	15.0	1.25	1.8	22.0	3.08	1,450	57	63	850	500/D
	10	Compacted	0.7	1.2	16.5	1.60	1.8	24.0	1.83	1,250	76	83	1200	500/D
	16	Compacted	0.7	1.2	18.5	1.60	1.8	26.0	1.15	1,000	100	107	1400	500/D
	25	Compacted	0.9	1.2	22.5	2.00	1.9	31.0	0.727	1,050	132	137	2100	500/D
	35	Compacted	0.9	1.2	24.5	2.00	2.0	33.5	0.524	900	162	164	2500	500/D
	50	Compacted	1.0	1.2	28.0	2.00	2.1	37.0	0.387	850	196	194	3100	500/D
	70	Compacted	1.1	1.2	31.5	2.00	2.2	41.0	0.268	800	246	236	3900	500/D
	95	Compacted	1.1	1.2	35.5	2.00	2.4	45.5	0.193	650	301	282	4900	500/D
	120	Compacted	1.2	1.3	39.5	2.50	2.5	50.5	0.153	650	348	320	6500	500/D
	150	Compacted	1.4	1.4	43.5	2.50	2.7	55.0	0.124	700	397	356	7500	500/D
	185	Compacted	1.6	1.5	49.0	2.50	2.9	61.0	0.0991	700	455	400	9000	500/D
	240	Compacted	1.7	1.6	55.0	2.50	3.1	67.5	0.0754	650	535	459	11500	300/D
	300	Compacted	1.8	1.7	60.5	2.50	3.3	73.0	0.0601	600	608	511	13500	300/D
400	Compacted	2.0	1.8	67.5	3.15	3.5	82.0	0.0470	600	699	574	17500	200/D	

Number of cores	Nominal cross sectional area (mm ²)	A.C. Resistance R (Ω/km)	Inductance L (mH/km)	Reactance XL (Ω/km)	Impedance Z (Ω/km)
3	1.5	15.4287	0.3427	0.1077	15.4291
	2.5	9.4485	0.3249	0.1021	9.4491
	4	5.8782	0.3026	0.0951	5.8790
	6	3.9274	0.2890	0.0908	3.9284
	10	2.3335	0.2747	0.0863	2.3351
	16	1.4665	0.2614	0.0821	1.4688
	25	0.9272	0.2637	0.0829	0.9309
	35	0.6685	0.2567	0.0807	0.6733
	50	0.4939	0.2435	0.0765	0.4998
	70	0.3424	0.2395	0.0752	0.3506
	95	0.2471	0.2331	0.0732	0.2577
	120	0.1964	0.2289	0.0719	0.2091
	150	0.1597	0.2302	0.0723	0.1753
	185	0.1283	0.2326	0.0731	0.1476
	240	0.0987	0.2281	0.0717	0.1219
	300	0.0798	0.2260	0.0710	0.1068
400	0.0639	0.2259	0.0710	0.0955	

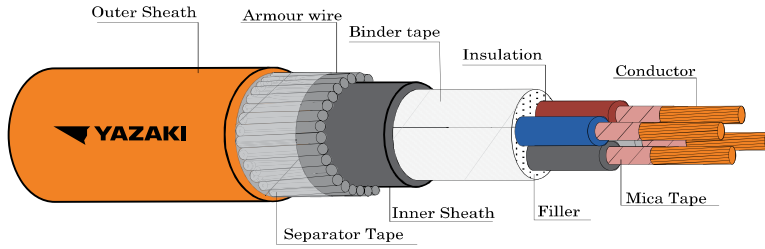
Remark : Thermal resistivity of soil 1.2 K.m/W or °C.m/W
Deep of laying (For cable laid direct in ground) 0.8 m

D : Packing in drum

FS/FDLH-0.6/1KV-CE-SWA



0.6/1 kV 90°C MICA TAPE CROSS-LINKED POLYETHYLENE INSULATED POLYOLEFIN SHEATHED, WITH GALVANIZED STEEL WIRE ARMORED
FLAME RETARDANT, LOW SMOKE AND ZERO HALOGEN POWER CABLE



CABLE STRUCTURE

- Conductor** : Non-Compacted and compacted round annealed copper
- Fire barrier tape** : Mica tape
- Insulation** : Cross-Linked polyethylene (XLPE)
- Core identification**
4 Cores : Blue, Brown, Black, Grey
- Inner Sheath** : Black Low smoke and zero halogen flame retardant polyolefin(ST8)
- Armor** : Galvanized steel wires
- Sheath** : Orange low smoke and zero halogen flame retardant polyolefin(ST8)

TECHNICAL DATA

- Classification** : Maximum conductor temperature 90°C
: Circuit voltage not exceeding 1,200 Volts
- Rated voltage** : 600 Volts between Line to Earth
: 1,000 Volts between Line to Line
- Testing voltage** : 3,500 Volts
- Reference Standard**
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- Circuit integrity** : BS 6387 Category C,W,Z
- Flame retardant** : BS EN 60332-1-2
IEC 60332-3-22 Category A
IEC 60332-3-23 Category B
IEC 60332-3-24 Category C
- Acid gas emission** : IEC 60754-1, IEC 60754-2
- Smoke emission** : IEC 61034-2
- Non-toxic gases** : Defence standard 02-713

APPLICATION

For installation into conduit and surface wiring which provide flame retardant, low smoke & corrosive gases properties and maintain circuit integrity in case of fire.

Number of core	Nominal cross sectional area (mm ²)	Conductor type	Insulation thickness nominal (mm)	Inner sheath thickness nominal (mm)	Dia. of inner sheath approx. (mm)	Diameter of steel wire armor nominal (mm)	Outer sheath thickness nominal (mm)	Overall diameter approx. (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 20°C minimum (MΩ-km)	Continuous current rating in free air at 40°C maximum (A)	Continuous current rating in ground at 30°C maximum (A)	Cable weight approx. (kg/km)	Standard Length (m)
4	1.5	Non-Compacted	0.7	1.2	13.0	1.25	1.8	19.5	12.1	2,500	26	30	650	500/D
	2.5	Non-Compacted	0.7	1.2	14.0	1.25	1.8	20.5	7.41	2,100	34	39	750	500/D
	4	Non-Compacted	0.7	1.2	15.5	1.25	1.8	22.0	4.61	1,700	45	51	850	500/D
	6	Non-Compacted	0.7	1.2	16.5	1.60	1.8	24.0	3.08	1,450	57	63	1100	500/D
	10	Compacted	0.7	1.2	18.0	1.60	1.8	25.5	1.83	1,250	76	83	1300	500/D
	16	Compacted	0.7	1.2	20.5	1.60	1.8	28.0	1.15	1,000	100	107	1700	500/D
	25	Compacted	0.9	1.2	24.5	2.00	2.0	33.5	0.727	1,050	132	137	2500	500/D
	35	Compacted	0.9	1.2	27.5	2.00	2.1	36.5	0.524	900	162	164	3000	500/D
	50	Compacted	1.0	1.2	30.5	2.00	2.2	40.0	0.387	850	196	194	3700	500/D
	70	Compacted	1.1	1.2	35.0	2.00	2.3	44.5	0.268	800	246	236	4800	500/D
	95	Compacted	1.1	1.3	39.5	2.50	2.5	50.5	0.193	650	301	282	6500	500/D
	120	Compacted	1.2	1.4	44.0	2.50	2.7	55.5	0.153	650	348	320	8000	500/D
	150	Compacted	1.4	1.5	49.0	2.50	2.9	60.5	0.124	700	397	356	9500	300/D
	185	Compacted	1.6	1.6	54.5	2.50	3.1	67.0	0.0991	700	455	400	11500	300/D
	240	Compacted	1.7	1.7	61.0	2.50	3.3	74.0	0.0754	650	535	459	14000	300/D
	300	Compacted	1.8	1.8	67.0	3.15	3.5	81.5	0.0601	600	608	511	18000	200/D
400	Compacted	2.0	2.0	75.5	3.15	3.8	90.5	0.0470	600	699	574	22000	200/D	

Number of cores	Nominal cross sectional area (mm ²)	A.C. Resistance R (Ω/km)	Inductance L (mH/km)	Reactance XL (Ω/km)	Impedance Z (Ω/km)
4	1.5	15.4287	0.3427	0.1077	15.4291
	2.5	9.4485	0.3249	0.1021	9.4491
	4	5.8782	0.3026	0.0951	5.8790
	6	3.9274	0.2890	0.0908	3.9284
	10	2.3335	0.2747	0.0863	2.3351
	16	1.4665	0.2614	0.0821	1.4688
	25	0.9272	0.2637	0.0829	0.9309
	35	0.6685	0.2567	0.0807	0.6733
	50	0.4939	0.2435	0.0765	0.4998
	70	0.3424	0.2395	0.0752	0.3506
	95	0.2471	0.2331	0.0732	0.2577
	120	0.1964	0.2289	0.0719	0.2091
	150	0.1597	0.2302	0.0723	0.1753
	185	0.1283	0.2326	0.0731	0.1476
	240	0.0987	0.2281	0.0717	0.1219
	300	0.0798	0.2260	0.0710	0.1068
400	0.0639	0.2259	0.0710	0.0955	

Remark : Thermal resistivity of soil 1.2 K.m/W or °C.m/W
Deep of laying (For cable laid direct in ground) 0.8 m

D : Packing in drum