

Fire Resistant multi core cable (XLPE/FRLS)
90 °C/105 °C
RJ 0403

Product Description:

This cable is specially designed for areas where integrity of electrical circuit is critical to maintain the power supply.

Application:

Application usage can be found in power stations, mass transit underground passenger systems, airports, petrochemical plants, hotels, hospitals, high-rise buildings.

Approvals:

Product Features:

- Flame retardant, Low smoke
- Good chemical resistance

Colour Codes:

- Generally cable sheathing is made in orange colour. But colour can be customized, insulation Colours Black, Red, Blue, Brown, Yellow, Grey, White, Green, etc. or numbered.

Technical Data:

- **Specific insulation resistance**
> 20 G Ohm x cm

Make Up:

- Fine strands of electrolytic grade copper wires
- Mica Tape Fire Barrier, on each conductor
- XLPE Compound insulation
- Mica Tape Binder
- FR/FRLS compound sheath

Conductor stranding

Fine wire in accordance to VDE 0295 Class 5/ IEC 60228 Class 5

Minimum bending radius

Oscillating flexing: 15 x cable diameter
Fixed installation: 4 x cable diameter

Rated voltage

600/1100 V

Test voltage

3.5 KV/5 min

FRLS/Flame Properties

Oxygen Index as per ASTM D 2863
Temperature Index as per ASTM D 2863
Smoke Density Rating as per ASTM D 2843
HCL Acid Gas Generation as per IEC 754/Pt-1
Flammability Test as per IEEE-383
Swedish Chimney Test as per SEN-SS4241475
Thermal Stability as per IS:10810 Pt. 60
Fire Survival Test as per IEC-331

Range of temperature

Working Temp.: -20 °C up to +90 °C/105 °C



Part number	Number of cores	Nominal area conductor mm ²	Thickness of insulation in mm	Thickness of sheath in mm	Outer dia. in mm approx.	Weight kg/km approx.
RJ 0403						
0403 10402	2	1.5	0.7	1.8	11.1	180
0403 10502		2.5	0.7	1.8	12.0	220
0403 10602		4	0.7	1.8	13.2	275
0403 10702		6	0.7	1.8	14.4	340
0403 10802		10	0.7	1.8	16.0	465
0403 10902		16	0.7	1.8	19.0	645
0403 11002		25	0.9	1.8	22.6	900
0403 11102		35	0.9	1.8	25.2	985
0403 11202		50	1.0	1.8	29.3	1160
0403 11302		70	1.1	1.8	33.0	2050
0403 10403	3	1.5	0.7	1.8	11.6	210
0403 10503		2.5	0.7	1.8	12.6	260
0403 10603		4	0.7	1.8	14.0	335
0403 10703		6	0.7	1.8	15.3	425
0403 10803		10	0.7	1.8	17.0	590
0403 10903		16	0.7	1.8	20.2	840
0403 11003		25	0.9	1.8	24.1	1175
0403 11103		35	0.9	1.8	26.9	1540
0403 11203		50	1.0	1.8	31.4	2090
0403 11303		70	1.1	1.8	35.4	2750
0403 10404	4	1.5	0.7	1.8	12.6	250
0403 10504		2.5	0.7	1.8	13.8	320
0403 10604		4	0.7	1.8	15.2	400
0403 10704		6	0.7	1.8	16.7	515
0403 10804		10	0.7	1.8	18.6	725
0403 10904		16	0.7	1.8	22.2	980
0403 11004		25	0.9	1.8	26.6	1485
0403 11104		35	0.9	1.8	29.7	1940
0403 11204		50	1.0	1.8	34.7	2650
0403 10405		5	1.5	0.7	1.8	13.6
0403 10505	2.5		0.7	1.8	15.0	370
0403 10605	4		0.7	1.8	16.5	480
0403 10407	7	1.5	0.7	1.8	14.8	350
0403 10507		2.5	0.7	1.8	16.2	450
0403 10607		4	0.7	1.8	17.9	590
0403 10410	10	1.5	0.7	1.8	18.4	480
0403 10510		2.5	0.7	1.8	20.3	625
0403 10610		4	0.7	1.8	22.6	825
0403 10412	12	1.5	0.7	1.8	19.0	540
0403 10512		2.5	0.7	1.8	21.0	700
0403 10612		4	0.7	1.8	23.4	940
0403 10419	19	1.5	0.7	1.8	22.0	760
0403 10519		2.5	0.7	1.8	24.5	1020
0403 10619		4	0.7	1.8	27.3	1400
0403 10427	27	1.5	0.7	1.8	26.3	1040
0403 10527		2.5	0.7	1.8	29.3	1400
0403 10627		4	0.7	1.8	32.8	1900