



Multicore Flexible Cable for Appliances & Machine Tools



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USP

- Compact construction reduces weight per meter.
- Rugged yet flexible for industrial use.
- High temperature insulation.

CONDUCTOR :

Compactly bunched, electrolytic grade, annealed copper with superb flexibility according to harmonized grades HO5V-K and HO7V-K available in various sizes from 0.5 sq. mm to 300 sq. mm. Unilay conductor will be provided on special order from 1 to 4 sq. mm.

INSULATION :

Generally available with Standard PVC insulation and PVC sheathing. Choice of insulation and sheathing is available against specific need.

COLOURS :

Grey & Black, Standard Packing : 100 mtrs. Coils. Longer lengths can be made available.

Specifications of GXL Wire

Type of Insulation	Type of Sheathing	Applicable Standards	Typical Applications
Standard PVC	Standard PVC, HRPVC	IS 694, BS 6500, IEC 60227, DIN VDE-0281	Power cords for Appliances, Temporary Power supplies, 3 core flat cables are suitable for submersible pump applications.
Heat Resistant PVC up to 1050C	Standard PVC, HRPVC	IS 694, BS 6500, IEC 60227, DIN VDE-0281	Hi-power Appliances, Ovens, Temporary Power Supply in higher temp. areas.
Standard PVC or FRLS	FRLS (Flame Retardant Low Smoke)	IS 694, BS 6500, IEC 60227, DIN VDE-0281, IEC 60754-1, IEC 60332-1, BS-4066-1, ASTM D 2843, ASTM D-2863	Power cords for appliances used in fire prone areas, flame proof equipments, machine tools used in critical locations and heat zones.

Physical and Electrical Properties

NO. of Cores	Properties	0.5	0.75	1.0	1.5	2.5	4.0
CIRCULARLY LAID UP CORES	Conductor Ins. thickness, (nom), mm Single core OD (max.), mm Cond.resist. (max.), ohm/km Sheath thickness, (nom), mm	16/0.2 0.6 2.60 39.0	24/0.2 0.6 2.80 26.0	32/0.2 0.6 3.0 19.5	30/0.25 0.6 3.8 13.3	50/0.25 0.7 4.0 7.98	56/0.3 0.8 4.8 4.95
2 CORES RED, BLACK	Overall dia. (max.), mm Current rating DC or single phase AC, amp. Voltage drop DC or single phase AC, mV/A/m	0.9 7.20 6 93	0.9 7.80 9 62	0.9 8.0 14 46	0.9 8.60 18 32	1.0 10.50 24 19	1.0 12.0 32 12
3 CORES RED, BLACK and GREEN	Sheath thickness, (nom), mm Overall dia. (max.), mm Current rating DC or single phase AC, amp. Voltage drop DC or single phase AC, mV/A/m	0.9 7.60 6 102	0.9 8.20 9 62	0.9 8.60 14 46	0.9 9.20 18 32	1.0 11.0 24 19	1.0 12.50 32 12
4 CORES RED, YELLOW, BLUE and GREEN	Sheath thickness, (nom), mm Overall dia. (max.), mm Current rating DC or single phase AC, amp. Current rating, three phase AC Voltage drop DC or single phase AC, mV/A/m Voltage drop, three phase AC	0.9 8.20 6 6 102 88	0.9 8.80 9 9 62 54	0.9 9.40 14 14 46 40	1.0 10.50 18 18 32 27	1.0 12.0 24 20 19 16	1.0 14.0 32 25 12 10