



TEKAB

FLAME RETARDANT, LOW SMOKE, HALOGEN FREE THERMOSETTING INSULATED TWIN, 3-CORE, 4-CORE & 5-CORE CABLES

TYPE: NHXH, ZZ1

Description : Thermosetting Insulated cable with low emission of smoke and corrosive gases when affected by fire.

Construction

- Conductor : Solid or stranded copper conductor class 1 or 2 to BS 6360
- Insulation : Thermosetting compound type EI5 or GP8 to BS 7655-1
When necessary, a separator may be applied around the conductor.
- Lay-up : In concentric layers
- Inner Covering : Extruded or taped
- Sheath : Material type LTS2 or LTS4 to BS 7655, Flame Retardant, Halogen Free

Rated Voltage : 450/750V

Specification : BS 7211

Characteristics: Spark Test: to BS 5099

: Voltage Test: 2500V a.c. 15 min

: Insulation Resistance: to BS 7211

: Flame Propagation:

- Flame propagation test on single cable to BS 4066: 1, IEC 332-1, D 405.1 S1

- Flame propagation test on multiple cables to BS 4066: 3 Category C,
IEC 332-3, CENELEC HD 405.3 S1

- Smoke emission to BS 7622 : 2

- Min. light transmittance: 60%

Technical Data

Thermosetting Insulated, Single Core, Sheathed Cables, 450/750V

Nominal Cross-Sectional Area of Conductor mm ²	Class of Conductor	Overall Diameter max mm	Net Weight Approx. Kg/Km
1 X 1.0	1	4.8	25
	2	4.9	26
1 X 1.5	1	5.0	30
	2	5.2	33
1 X 2.5	1	5.5	42
	2	5.6	44
1 X 4.0	1	6.0	59
	2	6.4	63
1 X 6.0	1	6.8	80
	2	7.1	86
1 X 10	1	8.1	128
	2	8.3	132
1 X 16	2	9.2	189
1 X 25	2	11.4	294

Thermosetting Insulated, 2-Core, Sheathed Cables, 450/750V

Nominal Cross-Sectional Area of Conductor mm ²	Class of Conductor	Overall Diameter max mm	Net Weight Approx. Kg/Km
2 X 1.0	1	9.5	94
	2	9.7	110
2 X 1.5	1	10.1	121
	2	10.3	132
2 X 2.5	1	11	165
	2	11.3	178
2 X 4.0	1	12.1	212
	2	12.4	232
2 X 6.0	1	13.2	272
	2	13.7	302
2 X 10	1	15.5	446
	2	16.7	490
2 X 16	2	18.8	674
2 X 25	2	23.2	1040

**FLAME RETARDANT, LOW SMOKE, HALOGEN FREE THERMOSETTING
INSULATED TWIN, 3-CORE, 4-CORE & 5-CORE CABLES
TYPE: NHXH, ZZ1**

Technical Data

**Thermosetting Insulated, 3-Core,
Sheathed Cables, 450/750V**

Size Nr X mm ²	Class of Conductor	Approx. O.D. mm	Approx. Weight Kg/Km
3 X 1.0	1	10.0	110
	2	10.2	128
3 X 1.5	1	10.6	143
	2	10.9	156
3 X 2.5	1	11.6	198
	2	11.9	213
3 X 4.0	1	12.7	260
	2	13.1	282
3 X 6.0	1	14.0	351
	2	15.0	387
3 X 10	1	16.9	557
	2	17.5	607
3 X 16	2	19.9	850
	2	24.7	1315

**Thermosetting Insulated, 5-Core,
Sheathed Cables, 450/750V**

Size Nr X mm ²	Class of Conductor	Approx. O.D. mm	Approx. Weight Kg/Km
5 X 1.0	1	11.5	157
	2	11.9	183
5 X 1.5	1	12.3	208
	2	12.6	227
5 X 2.5	1	13.6	295
	2	13.9	317
5 X 4.0	1	15.5	422
	2	16.4	460
5 X 6.0	1	17.5	551
	2	18.1	610
5 X 10	1	20.0	858
	2	20.9	937
5 X 16	2	24.2	1328
	2	30.5	1860

**Thermosetting Insulated, 4-Core,
Sheathed Cables, 450/750V**

Size Nr X mm ²	Class of Conductor	Approx. O.D. mm	Approx. Weight Kg/Km
4 X 1.0	1	11.2	130
	2	11.5	150
4 X 1.5	1	11.4	170
	2	11.7	185
4 X 2.5	1	12.6	240
	2	12.8	256
4 X 4.0	1	13.8	330
	2	14.0	344
4 X 6.0	1	15.7	445
	2	16.7	490
4 X 10	1	18.4	687
	2	19.2	747
4 X 16	2	21.8	1055
	2	27.5	1670

