

SINGLE WIRE ARMoured AND PVC SHEATHED MULTICORE CABLES WITH COPPER CONDUCTORS – VOLTAGE DESIGNATION 0.6/1 KV



Signaling cable



UV resistant



Flame retardant



Rodent resistant



Impact resistant



ROHS compliant

STANDARDS

ENA TS 09-6 issue 8 2012 / BS 7870-8-1: 2003

DESCRIPTION AND APPLICATION

Cables from 2 to 37 insulated copper conductors class 2 with a section of 2.5 mm². PVC white insulation, numbered insulated conductors stranded in layers. Bedding of PVC, steel wires armouring and external black PVC sheath.

Cables for use underground in wet conditions and also for withstanding high levels of induced voltage.

CONSTRUCTION

- **Conductors:** Conductors are 2.5 mm² plain copper stranded circular class 2, conforming to the requirements of BS 6360.
- **Insulation:** PVC compound type TI 1, conforming to the requirements of BS 7655-3-1. Nominal thickness 0.7 mm.
- **Cabling elements:** White numbered insulated conductors.
- **Lay-up:** Lay up in layers. Identification by numbers printed on the cores.
- **Core wrapping.** Plastic tape, longitudinally applied with overlap.
- **Bedding:** PVC. Thickness from 0.8 to 1.0 mm.
- **Armour:** galvanized steel wires helically applied
- **Outer sheath:** Black PVC compound type TM 1 to BS 7655-4-1.
- **Sheath marking :** The outer sheath shall be embossed, at regular intervals of about 500 mm, in one line (cables with d≤15 mm) or two lines (cables with d>15 mm) with the following legend:
 - *ELECTRIC CABLE – 600/1000 V AUX – BS 7870-8-1 – CABLESCOM – (year of manufacture)*
 - Length markings in white ink can also be printed at the option of the client*
 - *Other type of markings is also possible according to the customer.*



All drawings, designs, specifications and particulars of weights, dimensions, etc. in this documentation are only indicative and must not be considered contractual.

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ELECTRICAL CHARACTERISTICS (20°C)		2.5 mm ²
Maximum conductor resistance (Ω/km)		7,41
Minimum insulation resistance (20°C, 500 V, M Ω xkm)		9
Maximum star capacitance (nF/km, 800 Hz)		440
Dielectric strength (Vdc, 1 min)		
• Between conductors		7500

MECHANICAL CHARACTERISTICS

Temperature range: from -20° C to +70° C

Bending radius: 15 x R_{cable}

DIMENSIONS AND WEIGHTS

Section : 2,5 mm ²					
Code	No. conductors	steel wires Diam (mm)	Cable Diam (mm)	Aprox. Weight (kg/km)	Length (m)
EA4X1CF25000202N	2	0.9	13.6	345	1000
EA4X1CF25000302N	3	0.9	14.1	390	1000
EA4X1CF25000402N	4	0.9	15.0	450	1000
EA4X1CF25000702N	7	1.25	18.5	730	1000
EA4X1CF25001202N	12	1.25	22,2	1020	1000
EA4X1CF25001902N	19	1.6	27.2	1590	1000
EA4X1CF25002702N	27	1.6	30,7	1995	1000
EA4X1CF25003702N	37	1.6	34.4	2480	1000

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