

A-2Y(L)2Y - Telephone Cables

[D] CPR Fca

Model Product: 6TS - 20180212

general
CAVI s.p.a.



Bare copper conductor (Cu), diameter 0,6mm and 0,8mm.
PE(2Y) core insulation . Stranded by star quad (STIII)
Core wrapping with polypropylene tape.
Moisture barrier as laminated PE-coated aluminium tape (L)2Y .
Black PE (2Y) outer jacket.

STANDARDS

VDE 0816
EN 50575:2014 + EN 50575/A1:2016

Accordingly to the standards BT 2014/35/UE- 2011/65/EU (RoHS 2)

COMMON FEATURES

These external subscriber telephone cables are installed as telecommunication connection cable for connecting the telephone extension to the telephone exchange or central offices and as well as for industrial plants. These subscriber connecting cables are suitable for laying in under ground, in cable ducts and cable conduits - and also for indoor-laying. Both sides of PE-copolymere coated aluminium type (L), which is spliced with the outer PE-sheath ensures a barrier against water vapour and diagonally water-proof. Black coloured PE-sheath is UV-resistant. The Polyethelene material(PE 2Y) is halogen-free. Supply of electricity and communications in buildings and other civil engineering works with the objective of limiting the generation and spread of fire and smoke.

EMPLOYMENT

Minimum bending radius per D cable diameter (in mm): 10D

Maximum pulling stress:

Bd telephone-outdoor cable, according to VDE 0816, laminated sheath, unfilled

Nominal voltage U: 225 V

Test voltage: Core/Core 500 V - Core/Screen 2000V

Maximum operating temperature: +70°C Temperature Range -20 +50

Minimum installation and laying temperature: -5°C

Min. operating temperature (without mechanical shocks): -20°C

CORE COLOURS

Multicores: VDE 0816 ST III BD

SHEATH COLOUR

Black

NOTE

LOOP RESISTANCE:

Cond Ø0,6mm:130,0 ohm/Km

Cond Ø0,8mm:73,2 ohm/Km

MUTUAL CAPACITANCE 800Hz, 100% values

Cond Ø0,6mm:52 nF/Km

Cond Ø0,8mm:55 nF/Km

MUTUAL CAPACITANCE 800Hz, 80% values

Cond Ø0,6mm:48 nF/Km

Cond Ø0,8mm:50 nF/Km

CAPACITANCE UNBALANCES 800Hz 98% values

K1 :Max. 400pF/300m

K9-12 :Max. 100pF/300m

CAPACITANCE UNBALANCES 800Hz 100% values

K1 :Max. 800pF/300m

K9-12 :Max. 300pF/300m

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FORMATION	Copper weight (kg/km)	DIAMETER (mm)	WEIGHT (Kg/km)
Multicores			
4 x 2 x 0.6	19,8	9,5	85,65
6 x 2 x 0.6	29,68	10,2	105,82
10 x 2 x 0.6	49,58	11,7	143,11
20 x 2 x 0.6	99,25	15	233,35
30 x 2 x 0.6	148,88	16,5	311,40
40 x 2 x 0.6	198,65	17,5	389,72
50 x 2 x 0.6	248,26	19,6	458,60
70 x 2 x 0.6	347,73	20,5	593,60
100 x 2 x 0.6	492,78	25	827,65
150 x 2 x 0.6	765,03	31	1230,42
200 x 2 x 0.6	1012,89	34,5	1587,04
300 x 2 x 0.6	1512,29	41,5	2289,44
500 x 2 x 0.6	2509,45	53,2	3736,06
800 x 2 x 0.6	4034,32	66	5869,19
2 x 2 x 0.8	17,32	9,5	82,02
4 x 2 x 0.8	34,63	11	115,56
6 x 2 x 0.8	51,91	11,5	143,81
10 x 2 x 0.8	86,63	14	204,63
20 x 2 x 0.8	174,10	17,5	344
30 x 2 x 0.8	260,99	20	464
40 x 2 x 0.8	348,71	22	603
50 x 2 x 0.8	436,22	23,5	723
70 x 2 x 0.8	610,92	27	963
100 x 2 x 0.82	873,73	27	1341
200 x 2 x 0.8	1777,13	42,4	2572,18
500 x 2 x 0.8	4402	69	6303,16