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## TECHNICAL DATA

### OUTDOOR TELEPHONE CABLES IEC 60708

#### TYPE A-2Y(L)2Y ..X2X0.6mm

**Application:** The cables are suitable for telephone, signal and data transmission in fixed outdoor telecommunication applications. Underground installation through cable ducts is recommended while installation in water or in other corrosive liquids is not permitted.

**Specification used:** The cables will be manufactured and tested in general according to international specification IEC 60708. Our technical data, which are here below presented, will also be valid.

**Cable structure :** The cables will have bare solid copper conductors of 0.6 mm nominal diameter according to IEC 60228, with solid polyethylene (PE) insulation and twisted in pairs (exception is 2-pair cable which is a quad). Cable with more than 10 pairs consists of 10pair basic –unit. The cable core will be wrapped with a synthetic tape. A shield of an aluminium- polyester laminated tape will be helically applied. A drain tinned copper conductor of 0,4mm will be in direct contact with this screen. Overall, the cables are protected with a black PE sheath.

**Number of pairs:** 2,4,10,20,30,50,100,150,200

**Colour coding:** The colour coding of a basic 10-pair unit will be as following :

Pair No	a conductor	b conductor
1	white	blue
2	white	orange
3	white	green
4	white	brown
5	white	grey
6	red	blue
7	red	orange
8	red	green
9	red	brown
10	red	grey

**Exception:** 2-pair cable (quad) = White-Blue, Red-Green

The colouring code of the binding tapes applied in open helix over each basic-unit will be as following (IEC 60708):

Group Number	1	2	3	4	5	6	7	8	9	10
Colour	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet



**ELECTRICAL CHARACTERISTICS (at 20 °C)**

CONDUCTOR RESISTANCE max. individual (Ohm/km):	66.6
MUTUAL CAPACITANCE max. individual (nF/km):	68
CAPACITANCE UNBALANCE (PAIR TO PAIR) max. individual (pF/500 m):	250*
INSULATION RESISTANCE min. (Mohm.km):	5000
DIELECTRIC STRENGTH: Between Conductors (Volts DC for 1 minute):	500
Between all Conductors and Shield (Volts DC for 1 minute):	1000

\* 2-pairs cable(quad)=1000pF/500m

**Other characteristics:**

Operation/ storage temperature range:	-30 °C to +70 °C
Installation temperature range:	-5 °C to +50 °C
Minimum bending radius during operation / storage	10 x Cable overall diameter
Minimum bending radius during installation	15 x Cable overall diameter

**Package:** The cable are delivered in coils, bobbins or drums with nominal length from 100m to 4000m

**Remark:** Special requirements (number of pairs, sheath colour or/ and marking, package etc.) can be provided after mutual agreement.

**CROSS SECTION OF THE OFFERED CABLES**

