

## Plastic local telephone cable

### Plastic local telephone cable application

This product is designed for local communication, intended for audio and analogue signal of 150KHz and below and digital signal of 2048kbit/s and below. This product can transfer digital signal more than 2048kbit/s under a certain condition. It applies to cities, suburbs and factories in the local area telecommunications lines, cables working environment temperature  $-30 \sim +60 \text{ }^{\circ}\text{C}$ , laying the ambient temperature is not lower than  $-5 \text{ }^{\circ}\text{C}$ .

#### Code design

##### 1) code and type of insulation

Y - Solid polyolefin insulation

YF - foam polyolefin insulation

YP - foam / solid polyolefin insulation skin

##### 2) code and type of metal shield

A - coated aluminum shielding polyethylene sheath bonded

##### 3) code and structural features

T - Petroleum jelly filled

C - self-supporting

##### 4) code and outer sheath

23 - double steel armored PE sheath wrap around

53 - plastic coated steel longitudinally armored polyethylene sheath

### Plastic local telephone cable construction

1, Conductor: conductive core nominal diameter of soft copper 0.32, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9 mm.

2, using solid core polyolefin or foam polyolefin or polyolefin insulation foam solid leather as insulation.

3 pairs: the a, b two different colors of insulated cores twisted as a pair.

4, the cable core structure: twisted wire pairs 12, 13 sub-units of 25 basic units, 50 pairs, 100 pairs and 200 pairs of super-units. Flag ribbon around the outside unit sparse. Cable core usually consists of one or more units.

5, the filler (only filled cables); cable core gap filling water blocking compound.

6, comprehensive protection layer: the core layer of outer longitudinal package for double-sided plastic composite aluminum shield, and in its outer layer of black extruded low-density polyethylene, a common form of tidal jacket layer.

7, self-supporting cable: 8-shaped extrusion die, for self-supporting cable and aluminum cable core longitudinally extruded simultaneously.

8, armor (for armored cables 23, 22, 53 type); outside the integrated sheath wrapping two galvanized steel (for 23, 22 cable) or longitudinally layer coated steel (applicable at 53 cable).

9, the outer sheath (for armored cables 23, 22, 53 type): On the armor layer extruded polyethylene or polyvinyl chloride.

10, may provide protection against rodents, termite resistance, chemical resistance and flame

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retardant cable and other functions based on user requirements .

## Plastic local telephone cable Model

Model		Name	Installation occasion
Flame retardant type (A、B、C)			
HYA	WDZ-HYA	Copper conductor solid PE insulation plastic coated adhesive shielding polyolefin sheathed (LSZH Flame retardant) local communication cable	Overhead, pipeline
HYA23	WDZ-HYA23	Copper conductor solid PE insulation plastic coated adhesive shielding polyolefin sheathed (LSZH Flame retardant) double steel tape wrapped armored polyolefin outer sheathed local communication cable	Buried underground
HYA53	WDZ-HYA53	Copper conductor solid PE insulation plastic coated adhesive shielding polyolefin sheathed (LSZH) corrugated steel tape longitudinally armored polyolefin outer sheathed(LZSH flame retardant) local communication cable	Buried underground
HYAT	WDZ-HYAT	Copper core Solid PE insulated grease filled adhesive plastic coated aluminum adhesive shielding polyolefin sheath (LSOH flame retardant) local communication cable	Buried underground
HYAT23	WDZ-HYAT23	Copper core solid PE insulated grease filled plastic coated aluminum adhesive shielding polyolefin sheathed double steel tape wrapped armor polyolefin(LSZH flame retardant) local communication cable	Buried underground
HYAT53	WDZ-HYAT53	Copper conductor solid PE insulation grease filled plastic coated adhesive shielding polyolefin sheathed (LSZH) corrugated steel tape longitudinally armored polyolefin outer sheathed(LZSH flame retardant) local communication cable	Buried underground
HYAC	WDZ-HYAC	Copper conductor Solid PE insulated grease filled adhesive plastic coated aluminum shielding polyolefin sheathed self-supporting (LSOH flame retardant) local communication cable	Overhead

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## Plastic local telephone cable specification

Model	Conductor diameter				
	0.32	0.4	0.5	0.6	0.8
	Nominal pairs				
HYA	2000~4000	10~3000	10~1600	10~1000	10~600
HYA23	2000~3600	10~2400	10~1600	10~1000	10~600
HYA22	2000~3600	10~2400	10~1600	10~1000	10~600
HYA53	2000~3600	10~2400	10~1600	10~1000	10~600
HYAT	2000~3000	10~1600	10~1000	10~800	10~400
HYAT23	2000~3000	10~1600	10~1000	10~800	10~400
HYAT22	2000~3000	10~1600	10~1000	10~800	10~400
HYAT53	2000~3000	10~1600	10~1000	10~800	10~400
HYAC	-	10~300	10~300	10~200	10~100