

## DROPPED WIRE FOR SUBSCRIBERS, EIRCOM STANDARD

Telecommunication  
cableWater  
blocked

RoHS compliant

overhead aerial  
cable

## STANDARDS

Construction: Eircom - NS 1190

## DESCRIPTION AND APPLICATION

Two pairs connexion cable to subscriber, copper conductors of 0.63 mm, polyethylene insulation, water absorbent yarns and HDPE sheath, reinforced by fibre glass to ensure the absence of damage or stress during installation and service. This is a subscriber cable for aerial or duct installation between the distribution point and the subscriber. This cable is waterproof and supports PSTN, ISDN and DSL services.

## CONSTRUCTION

- **Conductors:** Annealed copper, diameter of 0.63 mm.
- **Insulation:** Solid PE.
- **Cabling elements:** 2 pairs. W/Bl and G/Bk.
- **Filling:** Water blocking yarns in the interstices.
- **Reinforcement:** Fibre glass yarns.
- **Sheath:** HDPE, UV resistant, black colour with a ripcord.



## ELECTRICAL CHARACTERISTICS (20°C)

0,63

Maximum conductor resistance ( $\Omega/\text{km}$ )

56,4

Maximum Resistance unbalance (%)  $100 \times (R_{\max} - R_{\min}) / (R_{\min} + R_{\max})$ 

5,0 %

Minimum insulation resistance ( $M\Omega \times \text{km}$ , 15°C, 500 V)

1600

Mutal capacitance ( $\text{nF}/\text{km}$ , 800 Hz)

52±4

Capacitance unbalance pair-pair ( $\text{pF}/500\text{m}$ , 800 Hz). Maximum

145

Dielectric strength conductor – conductor ( $\text{Vdc}$ , 3 s)

3000

## TRANSMISSION CHARACTERISTICS (20°C)

0,63

Nominal attenuation ( $\text{dB}/\text{km}$ , 772 KHz)

16.7

Crosstalk ELFEXT ratio (ELFEXT,  $\text{dB}/\text{km}$ , 772 KHz). Minimum value

49

Crosstalk NEXT (NEXT,  $\text{dB}/\text{km}$ , 772 KHz). Minimum value

48

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

## DROP WIRE FOR SUBSCRIBERS, EIRCOM STANDARD

**MECHANICAL CHARACTERISTICS**

Temperature range: from -25° C to +75° C

Minimum breaking load: 1000 N.

Minimum bending radius: 10 x R<sub>cable</sub>

**DIMENSIONS AND WEIGHTS**

Diameter : 0.63 mm					
Code	# Pairs	Cable diam (mm)	Weight approx. (kg/km)	Length (m)	Drum
EA7701063000202N	2	6.1	38	1000	06

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