

# ACOTEL - Copper

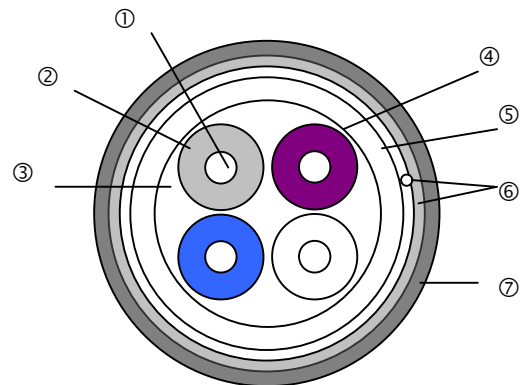
High speed cable for transmission & switching equipment

L907 - 2P - 5/10



## Description :

- ① Conductors : Red copper wire 5/10
- ② Insulation : Foam skin Pe, nominal diameter 0,98 mm
- ③ General assembly : "star" quad  
Color code : Grey + White + Violet + Blue
- ④ Cable : 1 quad
- ⑤ Protection : Natural Pe sheath Diameter 2,90 ± 0,10 mm
- ⑥ Shield : Alu/polyester tape, alu outside  
Tinned copper continuity wire 5/10  
Tinned copper braid, coverage ≥ 30 %
- ⑦ Protection : Low content halogen PVC sheath , grey color



## Marking on outer jacket :

ACOME 0215 RX Se(2ch)An(2ch) L907 2 5 NF Reseau COM 100MHz + metric

## Electrical characteristics at 20°C :

- Conductor resistance ( $\Omega$ /km) :  $\leq 95,9$
- Insulation resistance ( $M\Omega$ .km) :  $> 5000$
- Dielectric strength : 1,5 KV DC between elements and elements  
1,5 KV DC between elements and screen
- Capacitance unbalance – Pair to ground : 1000 pF/1000 meters
- Characteristic impedance :  $120 \pm 15 \Omega$  to 10 at 100 MHz
- Transfer impedance :  $\leq 35 m\Omega/m$  at 30 MHz
- Far-end cross talk attenuation at 1 MHz/100 m :  $> 60$  dB

## Mechanical characteristics :

ACOME Ref.	Number of pairs	Type of jacket	Color of jacket	Conductor $\varnothing$ (mm)	Insulation $\varnothing$ (mm)	Cable $\varnothing$ nominal (mm)	Weight of cable (kg/km)	Min. laying Bending radius (mm)
M3844	2P	PVC	GREY	0,500	0,98	4,80	31,5	30

Delivery length : 1000 m on drum KC ; 500 m on drum KC

Frequency [MHz]		0,064	0,512	1	4	10	20	62,5	100
Attenuat. max. [dB/100 m]	Specif. FT	$\leq 1,20$	$\leq 1,60$	$\leq 2,00$	$\leq 3,70$	$\leq 5,90$	$\leq 8,30$	$\leq 14,9$	$\leq 19,0$
Min. Next [dB]	Specif. FT			$\geq 62$	$\geq 53$	$\geq 47$	$\geq 42,5$	$\geq 35$	$\geq 32$

## Reference :

ST/CNET/6323  
Pr NFC 93531-10