



Construction	
Inner conductor ①	
Material	Tinned copper
Diameter	AWG18 = 16×Ø 0.25 ± 0.005 mm
Area	0.79mm ²
Insulation ②	
Material	HDPE
Diameter	Ø 2.15 mm
Filler ③	
Material	PE
Diameter	2 × Ø 1.4 mm
Assembly	
1 pair + stabilized by 2 fillers	
Colors / Lay lenght	See color tables
Screen	
1 st Layer ④	
Material	Aluminium / PET (40µ/12µ)
Coverage	≥ 125%
2 nd Layer ⑤	
Material	Tinned Copper
Braiding	16 × (5 × Ø 0.12 mm)
Braiding angle	23° ± 3°
Coverage	58%
Sheath ⑥	
Material	PVC Grey 7004 - Flame retardant IEC 332-1
Diameter	Ø 6.20 ± 0.20 mm
Weight	
Linear mass	54.3 kg/km
Marking of sheath	
Printing with XXX : Quantity in meter still available per reel DDDDD : Date code	1FP 2×0.8mm ² AWG18 100 pF/m CB - elbaC 328761 - DDDDD - XXX m
Color / Process	Black / Ink jet
Step	1 m

Notes



Electrical characteristics	
Impedance	57 Ω
Capa. conductors/cond. (1kHz)	98 pF/m
Capa. cond./screen (1kHz)	144 pF/m
Max. conductors DC resistance	23.7 Ω/km
Max. screen DC resistance	23.5 Ω/km
Rated voltage	300 V DC

Color table

Pairs	Colors		
	A	B	Lay lenght
①	Black ●	Clear ○	38mm

Thermal characteristics

CPR fire reaction class	F _{ca}
Rated temperature	-15 to 80°C

Mechanical characteristics

Static bending radius	r = 10 × Ø sheath
Dynamic bending radius	r = 15 × Ø sheath

Meet Standards

Fire reaction :	EN 50575:2014/A1:2016 F _{ca}
Environment :	European directive 2011/65/EU
Marking :	CE

Packaging

- R3 : 300m / Easy Real Box
- W5 : 500m / Wooden drum