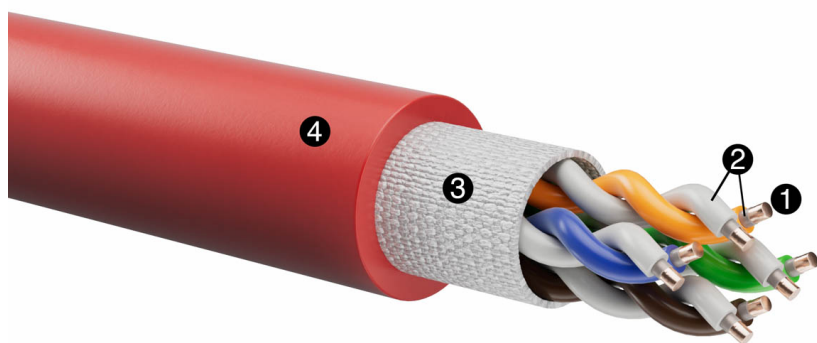


UTP 4x2x22 AWG CAT.5E FR PH120

Data transmission cables, fire resistant, fire retardant and halogen-free.



Legend

1. Conductor
2. Insulation
3. Flame protection
4. Sheath



CPR CLASSIFICATIONS
B2ca-s1a,d1,a1



View the product
on the website

DETAILS

Key features

For fixed installation indoors and outdoors (protected from UV rays), on metal structures, trays, pipes and similar systems. Buried installation is not allowed. They can be installed in the same conduit with circuits of electrical systems with rated voltage to earth up to 400 V, typically 230 / 400 V power systems.

Application

Used for high-frequency data transmission, when there is a need to guarantee signal transmission even in the presence of fire (video surveillance systems, interconnections of central units for voice evacuation systems and fire detection systems). In environments at greatest risk in case of fire. Places characterized by high density occupation and difficult condition of evacuation such as terminals, railway stations, maritime stations, subways, road and railway tunnels (High risk).

TECHNICAL SPECIFICATIONS

Features	Values	Rules
Conductors:	annealed red copper (22AWG)	
Insulation 1:	LSZH PP thermoplastic compound	
Insulation 2:	LSZH silicone rubber	
Cores colour :	white/blue - white/orange - white/green - white/brown	
Flame protection:	glass-fibre tape	
Sheath:	LSZH special thermoplastic compound	
Sheath colour:	red RAL 3000	
Fire retardant :	duratation 120 min. at 830 °C.(- 0 ÷ + 40 °C) PH120	CEI EN 50200
Fire retardant :	duration 180 min. at temperature of 750 °C FE180	IEC 60331-21 - VDE 472-814
DC resistance:	< 120 ohm/km (loop)	
Impedance:	100 ±5 ohm a 100 MHz	
Cond-cond capacitance:	of the order of 50 nF/km (1kHz)	
Inductance:	of the order of 0,75 mH/km (1kHz)	
Testing voltage:	700 Vac x 1 min.	
Max working temperature:	70 °C	
Min working temperature:	-20 °C (for fixed laying and in the absense of mechanical stress)	
Min. installation temperature :	0 °C	
Bending radius :	Ø x 8	

UE REGULATION 305/2011

Features	Values	Rules
SYSTEM AVCP	1+	EN 50575:2014 + A1:2016
Classification	B2ca-s1a,d1,a1	UNI EN 13501-6
B2ca	Heat release and flame spread (FS <= 1.5m)	EN 50399
s1a	Smoke transmittance >= 80% (TSP <= 50 m2 and SPR <= 0.25 m2/s)	EN 50399 + EN 61034-2
d1	No flaming droplets/particles persisting longer than 10 seconds	EN 50399
a1	Gas acidity (Conductivity 4.3)	EN 50267-2-3
	Flame propagation (H <= 425 mm)	EN 60332-1-2
Printing:	BERICA CAVI S.P.A. ITALY UTP 4x2x22 AWG Cat.5E FR PH120 Uo= 400 V 100 OHM B2ca-s1a,d1,a1 CE Year/lot - 00000m	

VARIANTS

TYPE N° x mm²	Ø MEDIUM EXTERIOR mm	MEDIUM WEIGHT kg/km	CODE
UTP 4x2x22AWG	9.7	105	B76B04CA22FR