



LAN Cable Cat.6- SF/UTP ShieldedLSZH FireResistant FIBERPROOF®

mod. PH120 – BS EN50200

GENERAL FEATURES

- Fire Resistant as PH120 as BS-EN50200
- Dual Shielded SF (Screen braid & Foiled/Tape)
- LAN Cable Cat.6 4x2x22 AWG Class1-solid conductor
- RED sheath
- LPCB-Loss Prevention Certification Board certified (UK)
- Made-in-Italy

WAVE LENGTH FEATURES

FREQUENCY [MHz]	ATTENUATION [dB/100m]			PS NEXT [dB]			PS EL-FEXT [dB/100m]			RETURN LOSS [dB]		
	MAX - STD	typical before test EN50200	after test EN50200 (120+15min)	MIN - STD	typical before test EN50200	after test EN50200 (120+15min)	MIN - STD	typical before test EN50200	after test EN50200 (120+15min)	MIN - STD	typical before test EN50200	typical after test EN50200
1	(2.1)	1.9	2.1	72.3	80	77	64.0	75	72	---	25	23
4	3.8	3.6	3.8	63.3	74	71	55.0	70	67	23	28	26
10	6.0	5.6	6.0	57.3	70	67	47.0	66	63	30	30	27
16	7.6	7.1	7.6	54.2	66	63	43.0	63	60	25	30	27
20	8.5	8.0	8.5	52.8	63	60	41.0	58	55	29	29	27
31.25	10.7	10.2	10.7	49.9	61	59	37.1	53	50	23.6	30	27
62.5	15.4	14.6	15.4	45.4	60	57	31.1	49	46	21.5	29	24
100	19.8	18.7	19.8	42.3	53	50	27.0	45	42	20.1	27	22
125	22.4	21.0	22.4	40.8	52	49	25.1	43	40	19.4	26	21
155.52	25.2	23.8	25.2	39.4	50	47	23.2	39	36	18.8	25	20
200	29.0	27.3	29.0	37.8	44	41	21.0	35	32	18.0	25	20
250	32.8	30.9	32.8	36.3	42	39	19.0	31	28	17.3	23	19

MECHANICAL AND ENVIRONMENTAL PROPERTIES

CABLE CONSTRUCTION AND SPECIFICATIONS			STANDARDS & SPECIFICATIONS TEST	
CONDUCTORS	AWG 22/1	Plain annealed Copper wire	Fire Resistant	BS EN 50200 Standard requirement (Class PH120)
Insulation material	polyolefin compound			EN50289-4-16 (Class PH120)
Colours	1 pair: Blue - White/Blue 2 pair: Orange - White/Orange 3 pair: Green - White/Green 4 pair: Brown - White/Brown		Flame Retardant	IEC 60332-1-2
FIRE BARRIER	Special fire proof tape, wrapped on each insulated conductor and over each pair		Fire Retardant	IEC 60332-3-24 (category C)
CABLING	The pairs are cabled together around a central cross separator		Acid gas emission	BS EN 50267-2-1 ; EN 50267-2-2
OVERALL SCREEN S&F	Screen & Foiled- Copper braid & polyester tape AluPe in contact together		Smoke density	BS EN 61034-2
CABLE Nom. Outer diameter	10,6 mm	+/- 10%	STANDARDS REFERENCE	
CABLE Net Weight	156 kg/km	approx	IEC 61156-5	EN 50200
CABLE Min. bending radius	13,4 mm		EN 50288-5-1	EN 50289-4-16
Temperature range	-10 to + 50 °C	Installation	ISO/IEC 11801	EN 50173
	-20 to + 70 °C	Operation	MARKING	
	-30 to + 70 °C	Storage&Trasp.	FIBERPROOF LAN6 - 4x2x22/1 AWG SF/UTP CAT.6 LSZH - EN 50200 PH 120 - LPCB 217m - Job nr. ***** - mm/yyyy - MADE IN ITALY - meter marking	
Sheath colour	RED (as per EN50200) other on request			
Sheath material	LSZH thermoplastic compound			

ELECTRICAL FEATURES

Voltage rating	125 V	Conductor resistance	≤ 59,4 Ohm/km at 20 °C
Insulation resistance	≥ 2,0 GOhm*km	Capacitance (core/core)	65 pF/m nom.
Impedance	100 +/-15 Ohm nom.	Velocity of propagation	66 % nom.
Max delay skew	20 nsec/100 m nom.		

CODICE ORDINE GAMMAFIBER

1024XXX-XXXX

FIBERPROOF® LAN Cable Cat.6-SF/UTP ShieldedLSZH FireResistant PH120 – BS EN50200.

