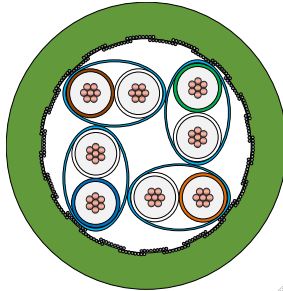


SUMTRAFFIC® ETHERNET PATCH CABLE S/FTP LSZH 4x2x24/7AWG CAT. 7

EN 45545-2

Date: 20/02/2019
Client: -----
STMC: 4211
Rev. 1
Creator: JCG



EN 45545

The picture shown may not necessarily be an accurate reproduction of the cable design

Application

For fixed and flexible installation.

Design

Conductor: Stranded bare copper wire.
0,22 mm² (24/7 AWG)
Insulation: Foam-skin polyethylene
Color code: (White - Blue) - (White - Orange) - (White - Green) - (White - Brown).
Individual assembly: Two cores wiring form a pair.
Individual screen: Aluminium/Polyester tape with overlap - Aluminium surface outside.
General assembly: Shielded pairs stranded together.
General screen: Tinned copper wire braid.
65% nominal coverage.
Outer sheath: LSZH special compound halogen free and flame retardant.
Color: Green (similar RAL 6018).

Approx. Outer diameter: 8,30 mm (± 0,30 mm).

Printing: SUMCAB TMC-SUMTRAFFIC ETHERNET S FTP 4x2xAWG 24/7 Cat 7 EN 45545-2 (AÑO) OF "metrado"

Technical data

Max DC conductor resistance: 84,0 Ω/km
Min insulation resistance: 5,0 GΩxkm
Dielectric test voltage:
- Core/core: 0,7 kVac / 1 min
- Core/shield: 0,7 kVac / 1 min
Capacitance core/core: 42 pF/m
Capacitance unbalance: 1600 pF/km
Characteristic impedance: 100 Ω (± 15 %)
Propagation velocity: 75%
Propagation delay: nom 470 nsec/100m (max 520 nsec/100m)
Delay skew: nom 15 nsec/100m (max 25 nsec/100m)
Max operating voltage: 30 V
Temperature rating (fixed): -20 °C / +75 °C
Min bend radius (fixed): 10 x outer diameter
Max pulling force: 150 N

Special Properties

Standard reference:
EN 50288-1; EN 50288-4-2; EN 50173; IEC 61156-6; ISO/IEC 11801
Flame retardant acc. IEC 60332-1-2
Fire retardant acc. IEC 60332-3-25
Halogen free acc. IEC 60754-1
Low corrosivity (pH > 4.3 ; cond < 10 μS/mm) acc. to IEC 60754-2
Low smoke acc. to IEC 61034-2
ITC câble ≤ 5 acc. EN 50305 ap. 9.2

Freq	Attenuation Std	Attenuation Typical	Next std	Next typical	Ps Next std	Ps Next Typical	Acr-f std	Acr-f typical	Ps Acr-f std	Ps Acr-f typical	Ps Acr std min	Ps Acr Typical	Return Loss Std	Return Loss Typical
[MHz]	max[dB/100m]	[dB/100m]	min[dB]	[dB]	min[dB]	[dB]	min[dB/100m]	[dB/100m]	min[dB/100m]	[dB/100m]	min[dB/100m]	[dB/100m]	[dB]	[dB]
1	3	2,1	78	>95	75	>95	78	>95	75	>95	72	92,9	20	28
4	5,6	3,8	78	>95	75	>95	78	>95	75	95	69,4	91,2	23	30
10	8,8	5,9	78	>95	75	>95	74	95	71	92	66,2	89,1	25	33
16	11,1	7,6	78	>95	75	>95	69,9	92	66,9	89	63,9	87,4	25	33
20	12,4	8,6	78	>95	75	95	68	88	65	85	62,6	86,4	25	33
31,25	15,6	10,8	78	95	75	92	64,1	82	61,1	79	59,4	81,2	23,3	33
62,5	22,3	15,3	75,5	93	72,5	90	58,1	77	55,1	75	50,1	74,7	20,7	30
100	28,5	19,8	72,4	91	69,4	88	54	70	51	67	40,9	68,2	19	28
125	32,1	22,5	70,9	90	67,9	87	52,1	68	49,1	65	35,9	64,5	18,2	27
155,52	36	25,3	69,5	89	66,5	86	50,2	64	47,2	61	30,5	60,7	17,3	25
200	41,2	28,8	67,9	88	64,9	85	48	58	45	55	23,7	56,2	16,4	25
250	46,5	32,2	66,4	86	63,4	83	47	55	43	52	17	50,8	15,6	23
350	55,8	38,3	64,2	84	61,2	81	43,1	49	40,1	46	5,5	42,7	15,6	22
500	67,9	46,8	61,9	83	58,9	80	40	47	37	44	---	33,2	15,6	21
600	75,1	51,7	60,7	81	57,7	78	38,4	44	35,4	41	---	26,3	15,6	20