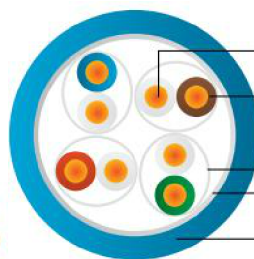
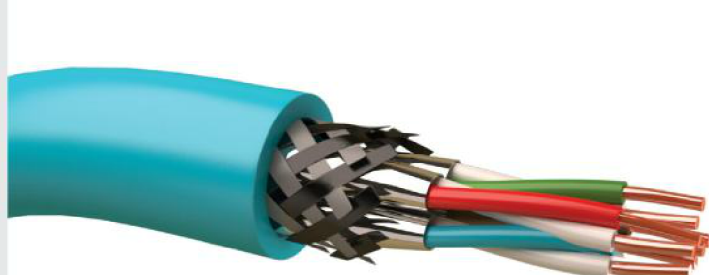


COPPER CABLES



Conductor	Bare copper wire, AWG 22/1
Insulation	Cellular-PE, core-diameter:
Twisting element	nominal value 1.6 mm Pair
Individual shielding	Aluminium-bonded polyester foil, metal side outside (PiMF)
Twisting	4 pairs
Overall shielding	Tinned copper braiding
Outer sheath	Halogen-free, flame-retardant compound

C6 S/FTP SOLID CABLE-300MHZ

Structure

23 AWG solid copper conductors
PE insulation
Aluminum foil around each pair
Braid around four pairs
FR PVC/PE/LSZH jacket

Standard

ANSI/TIA/EIA -568-B.2-1 (300 MHz)
ISO/IEC 61156-5
EN 50173
EN 50288-5-1
ISO/IEC 11801

Applications:

Installation cable for generic cabling systems acc.
ISO/IEC 11801 and EN 50173 (2. edition)
Ideal for all applications of classes D up to E up to 1 GbE acc.
IEEE802.3 ab, VoIP, PoE

Fire behavior

Flame retardant: acc. to IEC 60332-1-2
Halogen acid gas emission: acc. to IEC 60754-2
Smoke density: acc. to IEC 61034, Calorific value (MJ/m): 0.65(approx.)

Mechanical characteristics

Bending radius: During installation: 8 x overall Diameter (min.) & after installation: 4 x overall Diameter (min.)
Tensile strength: 110 (max.), Crush (N/100 mm): 1,000
Impact (number of shocks): 10

Chemical characteristics

Free of hazardous substances acc. to RoHS 2002/95/EG

Thermal characteristics

Temperature range for fixed installation: -20°C up to +60°C
Temperature range for mobile operation: 0°C up to +50°C

Frequency	Attenuation dB/100m		NEXT dB		PS-NEXT dB		ACR dB@100m		PS-ACR dB@100m		EL-FEXT dB@100m		PS-ELFEXT dB@100m		RL dB	
	typ.	Cat. 6 max.*	typ.	Cat. 6 min.*	typ.	Cat. 6 min.*	typ.	Cat. 6 min.*	typ.	Cat. 6 min.*	typ.	Cat. 6 min.*	typ.	Cat. 6 min.*	typ.	Cat. 6 min.*
1	1.8	2.1	93	66	90	64	91	64	88	62	103	66	100	64	24.6	-
4	2.9	3.8	87	65	84	63	84	61	81	59	95	58	92	55	30.8	23
10	5.1	6	80	59	77	57	75	53	72	51	85	50	82	47	36.7	25
16	7	7.6	75	56	72	54	68	49	65	47	78	46	75	43	38.4	25
32.25	10	10.9	71	52	68	50	61	41	58	39	71	40	68	37	37.9	23.6
62.5	13.5	15.5	67	47	64	45	53	32	50	30	65	34	62	31	35.5	21.5
100	17.8	19.9	63	44	60	42	45	24	42	22	60	30	57	27	31.9	20.1
155	22.4	25.3	59	41	56	39	37	16	34	14	53	26	50	23	28.7	18.8
200	26.8	29.1	57	40	54	38	30	11	27	9	48	24	45	21	25.9	18
250	30.4	33	56	38	53	36	26	5	23	3	44	22	41	19	25.5	17.3
300	32.8	-	53	-	50	-	20	-	17	-	38	-	35	-	23.6	-

Part Number	Size	Jacket type	AWG	Reel	Color sheath
CC6A0003	4P	PVC	23	305m	BLUE, RAL 5015
CC600013	4P	LSZH	23	305m	BLUE, RAL 5015

• EN 50288-4-1(2004)/ IEC 61156-5(2002)