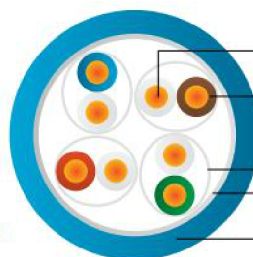
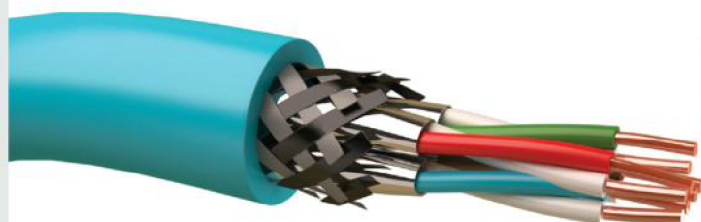


# COPPER CABLES



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

## C6A S/FTP SOLID CABLE-600MHZ

### Structure

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

### Standard

ANSI/TIA/EIA -568-B.2-10 (600 MHZ)  
ISO/IEC 61156-5  
EN 50173  
EN 50288-4-1  
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 EA  
Up to 10 GbE acc. IEEE 802. 3an, Cable sharing, VoIP, PoE

### Fire behavior

Flame retardant: acc. to IEC 60332-3-24  
Halogen acid gas emission: acc. to IEC 60754-2  
Smoke density: acc. to IEC 61034, Calorific value (MJ/m): 0.6(Sx) /1.2(Dx) (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	1.9	2	95	66	92	64	93	64	90	62	91	66	88	63	25.1	-
10	5.2	5.9	90	59	87	57	85	53	82	51	96	57	93	54	35.2	25
100	17.7	19	75	44	72	42	57	25	54	23	90	42	87	39	37.2	20.1
200	26.4	27.5	68	40	65	38	42	12	39	10	78	38	75	35	31.1	18
250	29.9	31	66	38	63	36	36	7	33	5	75	36	72	33	29.5	17.3
300	31.9	34.2	65	37	62	35	33	3	30	1	72	35	69	32	28.3	17.3
450	38.9	42.7	63	35	60	33	24	-8	21	-10	69	33	66	30	26.7	17.3
500	41.2	45.3	61	34	58	32	20	-11	17	-13	66	32	63	29	26.3	17.3
600	46.2	-	57	-	54	-	11	-	8	-	60	-	57	-	25.8	-

Part Number	Size	Jacket type	AWG	Reel	Color sheath
CC6A0013	4P	LSZH	23	500m	BLUE, RAL 5015
CC6A0033	2x4P	LSZH	23	500m	BLUE, RAL 5015

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

