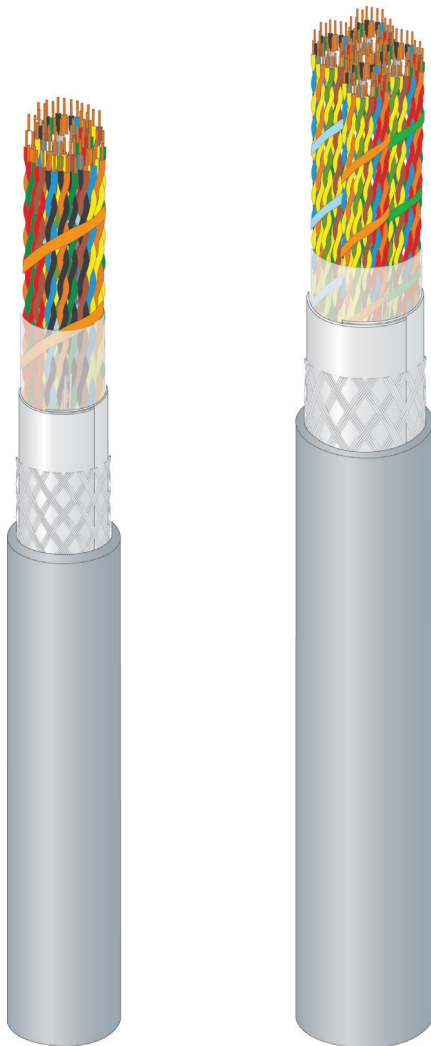


# HF Pair cable TEL 301 6035

## ECAFQBU/120



### Features

- Impedance 120 ohm
- Compact design
- Screened by an aluminum foil and copper braid
- Cable sizes 16, 21, 32 and 64 pair
- Conductor 0.4 mm, 26 AWG
- UL listed
- Halogen-free design
- ROHS compliant

### Application

Intended for indoor use in transmissions systems. Ideally suited for E1 transmission applications.

The cable is foamskin polyolefin insulated, pair twisted screened by an aluminum foil and braid. Overall a jacket of halogen-free compound is applied.



**LISTED E194530**



**Cable design**

- *Conductor*..... solid bare copper wire .....Ø 0.4 mm
- *Insulation*..... Foam skin polyolefin
- *Pair*..... twisted pairs
- *Unit*..... sixteen pair stranded into a unit with color coded binder
- *Lay up*..... 16 pair: concentric stranded pairs in one unit  
21 pair: concentric stranded pairs in one unit  
32 pair: concentric stranded pairs in one unit. *Figure 1*  
64 pair: concentric stranded with 16 pair units. *Figure 2*
- *Wrapping*..... plastic tape
- *Drain wire*..... tinned copper wire Ø 0.4 mm
- *Screen*..... aluminum foil and braid of tinned copper wires.
- *Jacket*..... flame retardant halogen free thermoplastic compound.

Figure 1

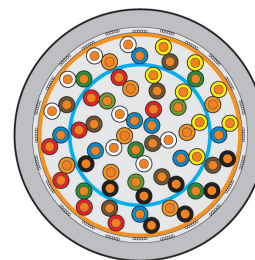
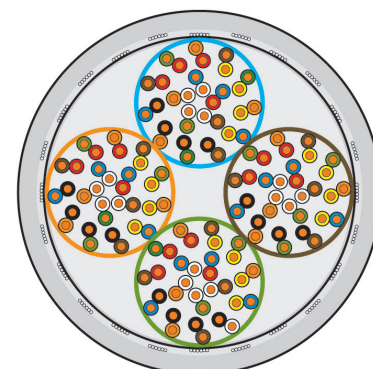


Figure 2



**General data**

- Operating voltage*...100 V
- Operating temp*.....-20 to +75 °C
- Bending radius*.....6x diam. (min)
- Flame resistance*.....IEC 60332-1, UL 444 CM
- Halogen free*.....IEC 60754-2
- Marking on jacket*...year and week of manufacture, Ericsson product No  
and length marking
- Color*.....Grey

**Electrical data**

- Rated to*.....1 MHz
- Resistance*.....153 ohm/km (max)
- Impedance*.....120±15 ohm at 1 MHz
- Attenuation*.....2.6 dB/100 m max at 1 MHz
- Near end crosstalk loss*...52 dB at 1 MHz
- Transfer impedance*.....20 mohm/m (30 MHz)

**Order information**

Product number	Number of pairs x conductor diam	Delivery length/ drum	Cable Diam. mm	Net weight kg/100 m
TEL 301 6035/016	16x2x0.4	1000 m/K6	8.5	8.5
TEL 301 6035/021	21x2x0.4	1030 m/K7	9.5	10.5
TEL 301 6035/032	32x2x0.4	1000 m/K8	11.5	16
TEL 301 6035/064	64x2x0.4	500 m/K8	16	30

**Color code**

Unit No	Pair No.	Color of core A-core	B-core	Identification color of unit
1	1	White-blue	blue	Blue
	2	White-orange	orange	
	3	White-green	green	
	4	White-brown	brown	
	5	Red-blue	blue	
	6	Red-orange	orange	
	7	Red-green	green	
	8	Red-brown	brown	
	9	Black-blue	blue	
	10	Black-orange	orange	
	11	Black-green	green	
	12	Black-brown	brown	
	13	Yellow-blue	blue	
	14	Yellow-orange	orange	
	15	Yellow-green	green	
	16	Yellow-brown	brown	
2	17	White-blue	blue	Orange
	18	White-orange	orange	
	19	White-green	green	
	20	White-brown	brown	
	(*) 21	Red-blue	blue	
	22	Red-orange	orange	
	23	Red-green	green	
	24	Red-brown	brown	
	25	Black-blue	blue	
	26	Black-orange	orange	
	27	Black-green	green	
	28	Black-brown	brown	
	29	Yellow-blue	blue	
	30	Yellow-orange	orange	
	31	Yellow-green	green	
	32	Yellow-brown	brown	
3	33 - 48	See unit 1		Green
4	49 - 64	See unit 1		Brown

(\*) 21 pair cable Violet-blue / Blue