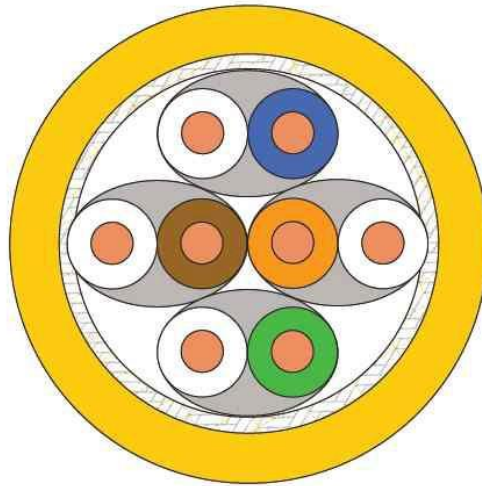


Cable BKT 695 S/FTP cat.7



Primary (Campus), Secondary (Riser), Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 10GBase-T IEEE 802.5 16 MB; ISDN; TPDDI; ATM

EN 50173-1; ISO/IEC 11801; IEC 61156-5

FRNC (LSHF, LSOH, LSZH) :IEC 60332-1; IEC 60754-2; IEC 61034

<b>Conductor</b>	bare copper wire,, $\varnothing$ 0.56 mm (AWG 23)
<b>Insulation</b>	Jacket PE, $\varnothing$ 1.4 mm
<b>Twisting</b>	2 cores to the pair
<b>Pair screen</b>	Al-laminated plastic foil
<b>Cable lay up</b>	4 pairs (PIMF) to the core
<b>Screen</b>	copper braid, tinned
<b>Sheath</b>	FRNC (LSHF, LSOH), yellow

Cable BKT 695 S/FTP cat.7

<b>Bending radius</b>	<b>During installation</b>	$\geq 30$ mm
	<b>During operation</b>	$\geq 60$ mm
<b>Temperature range</b>	<b>During operation</b>	-20°C do +60°C
	<b>During installation</b>	0°C do +50°C

<b>Loop resistance</b>		$\leq 145$ $\Omega$ /km
<b>Resistance unbalance</b>		$\leq 2\%$
<b>Mutual capacitance</b>	at 800Hz	nom. 44 nF/km
<b>Capacitance unbalance</b>	(pair/ground)	$\leq 800$ pF/km
<b>Characteristic impedance</b>	(1-100 MHz)	(100 $\pm$ 5) $\Omega$
<b>Nominal velocity of propagation</b>		75%
<b>Propagation delay</b>		$\leq 500$ ns/100m
<b>Delay skew</b>		$\leq 20$ ns/100m
<b>Test voltage</b>	(DC, 1min) core/core and core/screen	1000 V
<b>Transfer impedance</b>	at 10 MHz	$\leq 30$ m $\Omega$ /m
	at 30 MHz	$\leq 40$ m $\Omega$ /m

## Cable BKT 695 S/FTP cat.7

F	Attenuation	NEXT	PS-NEXT	ACR	PS-ACR	ELFEXT	PS-ELFEXT	Return loss
(MHz)	(dB/100m)	(dB)	(dB)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB)
4.0	3.6	90	87	86	83	85	82	27
10.0	5.6	90	87	84	81	79	76	27
20.0	7.9	90	87	82	79	73	70	27
62.5	14.3	90	87	76	73	63	60	27
100.0	18.2	90	87	72	69	59	56	27
250.0	29.7	86	83	56	53	51	48	25
300.0	32.8	86	83	5	50	49	46	23
600.0	48.1	84	83	36	33	42	39	20

BKT Product code	Cable type	Brand name	Outer diameter	Fire load		Weight	Copper content	Max tensile force during installation N
			Mm	Mj/km	KWh/m	kg/km	kg/km	
10154610.500	J-02YSCH 4x2x0,56 PIMF	BKT 695 S/FTP FRNC CAT 7 4PR 23AWG NVP 75%c	6,9	585	0,170	50,2	26	100

# Contact

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