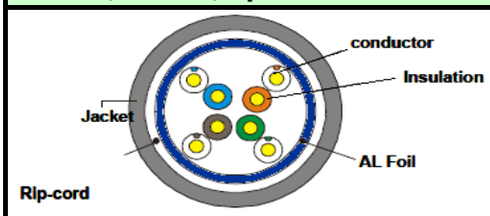
93265, 93266, 68706, 93207, 93268 :CAT 5e network cable	TECHNICAL DATA SHEET

F/UTP, 100 m, 4pairs cable category5e



COLOUR: BLUE-WHITE/BLUE
ORANGE-WHITE/ORANGE
GREEN-WHITE/GREEN
BROWN-WHITE/BROWN

93265	93266	68706	93207	93268	93269
blue	yellow	grey	green	orange	red

CABLE DESCRIPTION

1-CONDUCTOR

TYPE:SOLID-Copper clad aluminum wire

DIAMETER:7*0.15mm AWG:26/7

2-INSULATION

TYPE:PE solid

DIAMETER:0.9mm±0.01mm

3-Drain wire : 0.45mm CCA

4-SHIELDING:Aluminium/polyester

Coverage 110%

5-RIP CORD

YES

6-OUTER JACKET

TYPE:PVC

COLOUR:BLUE/YELLOW/GREEN/ORANGE/RED

THICKNES:0.6mm

EXTERNAL DIAMETER:5.6mm±0.2mm

PASS 40m FLUKE TEST

PARAMETER	UNIT	VALUE
Max.linear tesistance.	Ω/km	⩽360
Mutual capacity(nom.)	pF/m	50
Unbalance capacity max	pF/km	1600
Characteristic impedance (1 at 100 MHz)	Ω	100±15
VELOCITY OF PROPAGATION (f>1MHz)	%of c	66

Marking

CAT 5e network cable, F/UTP, 100 m, CCA copper mixture for SOHO applications, AWG 26/7 (stranded), PVC

Reaction to fire: Eca; EN 50575:2014+A1: 2016

ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Return loss(dB)	Attenuatin (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1			65,3	62,3	63,8	60,8
4			56,3	53,3	51,8	48,8
10			50,3	47,3	43,8	40,8
16			47,2	44,2	39,7	36,7
20			45,8	42,0	37,8	34,8
25			44,3	41,3	35,8	32,8
31,25			42,9	39,9	33,9	30,9
62,5			38,4	35,4	27,9	24,9
100			35,3	32,3	23,8	20,8

OTHER CHARACTERISTICS

MINIMUM BENDING RADIUS:10×Diameter

PACKING:100m/ROLL

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Prepared by: NW 2019/11/29