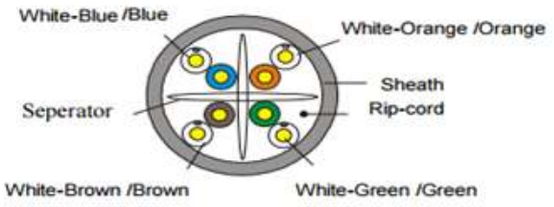
93884, 93885, 94964, 94219: CAT 6 network cable, U/UTP	TECHNICAL DATA SHEET

UTP 4pairs cable category6 - PVC sheath



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



grey
93884 100m
93885 305m



white
94964 100m
94219 305m

CABLE DESCRIPTION

1-CONDUCTOR

TYPE:STRANDED-Copper clad aluminum wire
DIAMETER:7/0.19±0.005mm AWG:24/7

2-INSULATION

TYPE:PE solid
DIAMETER:1.0mm±0.01mm

3-RIP CORD

YES

45-OUTER JACKET

TYPE:PVC
COLOUR:GREY
THICKNES:0.6mm
EXTERNAL DIAMETER:5.8mm±0.2mm

PASS 40m FLUKE TEST

PARAMETER	UNIT	VALUE
Max.linear tesistance.	Ω/km	⩽180
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

CAT6 STRANDED / PATCH CORD EIA/TIA 568 4x2xAWG 24/7 U/UTP UNSHIELDED
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, 305M/BOX

goobay®
Wentronic GmbH
Pillmannstraße 12
38112 Braunschweig

Prepared by: NW 2019/12/16