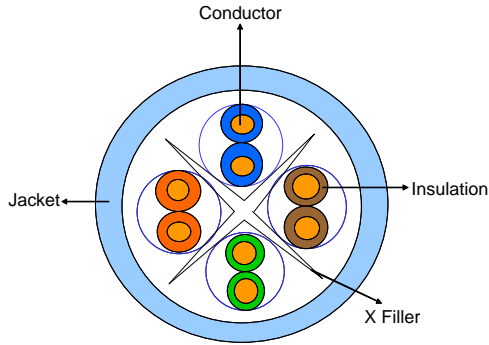


COMMODITY CABLES, INC.

4PAIR 23AWG CAT.6 550MHZ. DIRECT BURIAL RATED UTP CABLE

Cross Section



Marking

(UL) c(UL) E# 23awg 4pr UTP Outdoor Direct Burial CAT6 TESTED TO 550MHz.
TIA/EIA 568-B.2 Commodity Cables, Inc. 6OUT234RB XXXft. MO/YR

Description

Rated Temperature(°)	70
Product Rating	UL
Flammability Test	IEC-332-1
Rated Voltage	30
Application	Horizontal Wiring in LAN
Reference Standard	
EIA/TIA568 & ISO/IEC11801	

Construction

Conductor	<i>Solid Bare Copper</i>
AWG	23
Conductor Dia.(mm)	0.57
Insulation	<i>PE</i>
Average Thickness(mm)	0.22
Min.Point Thickness(mm)	0.198
Insulation Dia.(±0.02mm)	1.01
Twisted Pair Diameter (± 0.02mm)	2.02
Assembly	5.00
Jacket (CM, CMR is optional)	<i>LLDPE</i>
Average Thickness(mm)	0.6
Min.Point Thickness(mm)	0.5
Outer Dia.(±0.2mm)	6.2
Rip Cord	Per request

Color

Insulation colors are:

Blue, White/Blue
Orange, White/Orange
Green, White/Green
Brown, White/Brown

Jacket colors:

Standard Black
Special Per customer request

Standard Packaging



1000 ft. Wooden Reel
Weight: 36 lbs.

Part No.: 6OUT234RB



Performance

Electrical Characteristics:

Frequency (MHz)	Attenuation (dB/100m)	PSNEXT (dB)	NEXT (dB)	ACR (dB)
0.772	1.8	74.0	76.0	74.2
1	2.0	72.3	74.3	72.3
4	3.8	63.3	65.3	61.5
8	5.4	58.8	60.8	55.4
10	6.0	57.3	59.3	53.3
16	7.7	54.3	56.3	48.6
20	8.6	52.8	54.8	46.2
25	9.6	51.3	53.3	43.7
31.25	10.8	49.9	51.9	41.1
62.5	15.7	45.4	47.4	31.7
100	20.2	42.3	44.3	24.1
200	29.8	37.8	39.8	10.0
250	33.8	36.3	38.3	4.6
300	36.4	35.1	37.1	0.7
350	39.8	34.1	36.1	-
400	43.0	33.3	35.3	-
500	48.9	31.8	33.8	-
550	51.8	31.2	33.2	-

Frequency (MHz)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
0.772	-	-
1	67.8	64.8
4	55.7	52.7
8	49.7	46.7
10	47.8	44.8
16	43.7	40.7
20	41.7	38.7
25	39.8	36.8
31.25	37.9	34.9
62.5	31.8	28.8
100	27.8	24.8
200	21.7	18.7
250	19.8	16.8
300	-	-
350	-	-
400	-	-
500	-	-
550	-	-

1.0-100.0MHz impedance(ohms)	100±15
1.0-350.0MH Delay Skew(ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance(Pf/100m)	<=330
Max. Conductor DC Resistance 20° (ohms/km)	95
Resistance Unbalance(%)	<=5

Mechanical Characteristics:

Test Object	<i>Jacket</i>
Test Material	LLDPE
Before Tensile Strength(Mpa)	>=13.8
Aging Elongation (%)	>=100
Aging Condition(1xhrs)	100x168
After Tensile Strength (Mpa)	>=85% of unaged
Aging Elongation (%)	>=50% of unaged
Cold Bend (120±2°Cx4hrs)	No Crack

*All values in this specification are nominal and are subjective to tolerances of +/- 10 to 15%.