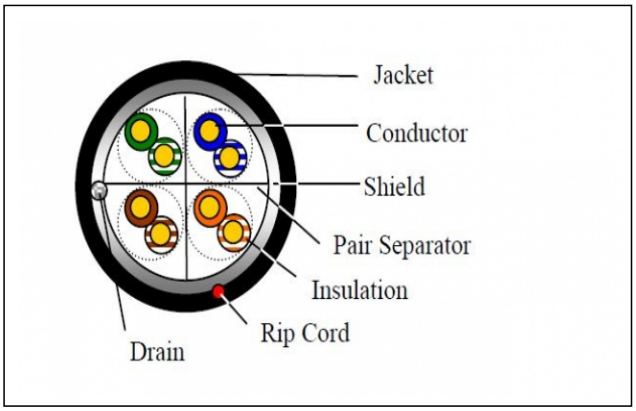
Issue Date: 11/30/-0001
Revision #:

Part No.: 6DB234STP

Cat 6 Shielded 250MHz Polyethylene Jacket



Applications

Supports all category 6 applications including Ethernet 100BASE-TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth applications such as 622 ATM, Wideband, Ethernet 1000BASE-T and emerging applications with anticipated data rates to 3.2 Gbps.

Construction Details

No. 23 AWG solid bare copper conductor insulated with polyolefin. Two colored mated insulated conductors twisted together to form a pair and four pairs assembled around a pair separator to form a core. The core is overall shielded and jacketed with polyethylene. Suitable for outdoor use.

Surface Print: 4 PAIR STP 234 AWG SOLID CAT6 SUITABLE FOR OUTDOOR USE DIRECT BURIAL
Sequential Footage Marking

Electricals

Mutual Capacitance: 14 pF/ft nominal
Capacitance Unbalance: 330 pF/ft maximum
Velocity of Propagation: 70%
Max. Conductor D.C.R.: 28.6 ohm/1000 feet
Max. DCR Unbalance: 5%
Max. Delay Skew: 45.0ns/100m
Characteristic Impedance: from 0.772 - 100 MHz 100 ± 15%
from 101 - 250 MHz 100 ± 22%

Color Code:

Pair	Color Code
1	Blue with White
2	Orange with White
3	Green with White
4	Brown with White

Technical Details

Temperature Rating
Installation: 0°C to 50°C
Operation: -20°C to 60°C
Nominal Diameter: 0.305 in.
Nominal Weight: 49 lbs/ 1,000 feet

Standards

ANSI/TIA/EIA 568C.2 Category 6

Preparation for Shipment

The cable shall be packaged to preclude the inducement of damage due to handling and transportation, and shall be in accordance with the
best commercial practices available. Shipping containers shall be constructed as to eliminate any possible damage to the cables due to
shipment.

Warranty Info

All warranty information can be viewed at www.remee.com. This product is RoHS compliant and is directive 2002/95/EC. It is the sole responsibility of the user to have the most current specification. Specifications are subject to change without notice.

Remee Products Inc.
P.O. Box 488 1751 Highway Rt.17A
Florida, New York 10921
t: 800.431.3864 e:info@remee.com
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Electrical Characteristics:

Frequency	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	ACR	PS-ACR
MHz	dB	dB(100m)	dB	dB	dB	dB	dB	dB
	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum	Minimum	Minimum
1	20.0	2.0	80.3	78.3	73.8	70.8	78.3	76.3
4	23.0	3.8	71.3	69.3	61.8	58.8	67.5	65.5
10	25.0	6.0	65.3	63.3	53.8	50.8	59.3	57.3
16	25.0	7.6	62.2	60.2	49.7	46.7	54.6	52.6
20	25.0	8.5	60.8	58.8	47.8	44.8	52.3	50.3
31.25	23.6	10.7	57.9	55.9	43.9	40.9	47.2	45.2
62.5	21.5	15.4	53.4	51.4	37.9	34.9	38.0	36.0
100	20.1	19.8	50.3	48.3	33.8	30.8	30.5	28.5
200	18.0	29.0	45.8	43.8	27.8	24.8	16.8	14.9
250	17.3	32.8	44.3	42.3	25.8	22.8	11.5	9.5

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t: 800.431.3864 e:info@remee.com
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