ABAM (600B) and ABMM Series

PRODUCT DESCRIPTION

The ABAM (600B) and ABMM Series Central Office (CO) Cables are designed for use between switching and transmission equipment for distances up to 650 feet. The ABAM (600B) series offers low attenuation by using 22 AWG conductors. Both ABAM (600B) and ABMM series (24 AWG) are manufactured with a dark gray smooth PVC jacket and a 0.008 inch corrugated aluminum shield for additional Electromagnetic Interference (EMI) reduction.

APPLICATIONS

- T1/DS1
- T1C/DS1C
- DS2
- 4 Mbps token ring (IEEE 802.5)
- 10 Mbps 10BASE-T Ethernet (IEEE 802.3)

SPECIFICATIONS

Conductor	Tinned copper
Insulation	PE/PVC
Core Wrap	Non-hygroscopic, dielectric tape
Shield	Corrugated 8 mil aluminum bonded to the outer jacket
Jacket	Gray PVC printed at 2 foot intervals including product identification, pair count, UL information and sequential lengths in feet and meters
Performance Compliance	Telcordia GR-137 (select sections) Telcordia GR-111 ASTM B33 - Tinned Copper UL 444 CSA C22.2 No. 214-08 UL 1666 ANSI/TIA-568-C.2 RoHS-compliant
NRTL Programs	UL, c(UL) Listed CMR

FEATURES	BENEFITS
• 22 and 24 AWG tinned copper conductors	• Low attenuation, enabling longer run length; tinned copper conductors minimize change in wire-wrap joint resistance
• 100 Ohm nominal Impedance	• Impedance mismatch with OSP cable is minimized
• 0.008 inch corrugated aluminum shield	• Higher EMI isolation over foil shields; great mechanical strength
• CMR listed	• Suitable for horizontal and vertical installations
• CAT 3 compliant	• Suitable for network applications
• Band marked conductors	• Easy identification of conductor ring mates

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Series	Part Number	Product Code	Pair Count	AWG (mm)	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Standard Length ft (m)	Package
ABAM	55-399-25	606B	6	22 (0.6)	0.42 (11)	87 (129)	10,000 (3,048)	Reel
ABAM	55-499-25	607B	12	22 (0.6)	0.50 (13)	132 (196)	7,000 (2,135)	Reel
ABAM	55-599-25	608B	16	22 (0.6)	0.55 (14)	159 (237)	7,000 (2,135)	Reel
ABAM	55-799-25	609B	25	22 (0.6)	0.65 (17)	224 (333)	5,000 (1,524)	Reel
ABAM	55-899-25	616B	28	22 (0.6)	0.68 (17)	244 (363)	7,500 (2,285)	Reel
ABAM	55-999-25	613B	30	22 (0.6)	0.69 (18)	257 (382)	5,000 (1,524)	Reel
ABAM	55-A99-25	615B	32	22 (0.6)	0.71 (18)	270 (402)	5,000 (1,524)	Reel
ABAM	55-B99-25	610B	50	22 (0.6)	0.84 (21)	383 (570)	7,500 (2,285)	Reel
ABAM	55-C99-25	618B	56	22 (0.6)	0.88 (22)	420 (625)	3,000 (915)	Reel
ABAM	55-D99-25	612B	75	22 (0.6)	1.02 (26)	561 (835)	3,000 (915)	Reel
ABAM	55-E99-25	611B	100	22 (0.6)	1.14 (29)	711 (1,058)	7,500 (2,285)	Reel
ABMM	55-799-24	-	25	24 (0.5)	0.57 (15)	164 (244)	10,000 (3,048)	Reel
ABMM	55-B99-24	-	50	24 (0.5)	0.73 (19)	276 (411)	10,000 (3,048)	Reel
ABMM	55-E99-24	-	100	24 (0.5)	0.99 (25)	505 (725)	10,000 (3,048)	Reel
ABMM	55-V99-24	-	600	24 (0.5)	2.10 (53)	2,378 (3,539)	1,000 (305)	Reel
ABMM	55-W99-24	-	900	24 (0.5)	2.51 (64)	3,456 (5,143)	1,000 (305)	Reel

ELECTRICAL SPECIFICATIONS

Frequency MHz	Attenuation @ 68˚F (20˚C) Maximum Guaranteed dB/100 m	PSNEXT Minimum Guaranteed dB/100 m	Minimum SRL dB/100 m
0.772	2.2	43	12
1	2.6	41	12
4	5.6	32	12
8	8.5	27	12
10	9.7	26	12
16	13.1	23	10

Characteristic Impedance Ohms	Delay Skew Maximum ns/100 m	DC Resistance Maximum Ohms/100 m	Resistance Unbalance Maximum %
100 ± 15	45	9.38	5

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RoHS
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