

OSP Broadband Category 6

Product Description

BBD6 is an Outside Plant Unshielded Broadband Category 6 cable. BBD6 has guaranteed transmission performance out to 250 MHz. The cable consists of a core of four balanced twisted pairs held in place by a cross-web separator and surrounded by a filling compound to prevent water ingress. The core is jacketed with a sunlight and abrasion resistant black polyethylene outer jacket.



Conductor

Solid annealed copper

Insulation

Polyolefin

Insulation Colours

Pair 1: ColorTip Light Blue, Blue Pair 2: ColorTip Light Orange, Orange
 Pair 3: ColorTip Light Green, Green Pair 4: ColorTip Light Brown, Brown

Jacket

Black, sunlight and weather resistant polyethylene

Shield

BBD6: Unshielded
 BBDG6: Electrically continuous 0.13 mm corrugated copper-clad armour, applied with an overlap shield

Approvals

ANSI/TIA/EIA-568-B.2
 ANSI/TIA-568-C.2
 ANSI/ICEA S-107-704-2006
 RoHS-compliant

Applications

10BASE-T through 1000BASE-T ethernet
 Direct burial where additional mechanical protection is required.

Packaging

Cut to length

Product Code	Type	AWG Size	Pair Count	Shield	Nominal Diameter in (mm)	Nominal Impedance (ohms)	Nominal Velocity of Prop. (%)	Approx. Weight lbs/kft (kg/km)
37ID2404	BBD6	23	4	None	0.30 (7.6)	100 ± 15	57	39 (58)
37IF2404	BBDG6	23	4	Copper Clad	0.40 N(10)	100 ± 15	57	40 (119)