Category 3 Multipair UTP Cables

Datasheet: GD64877v8

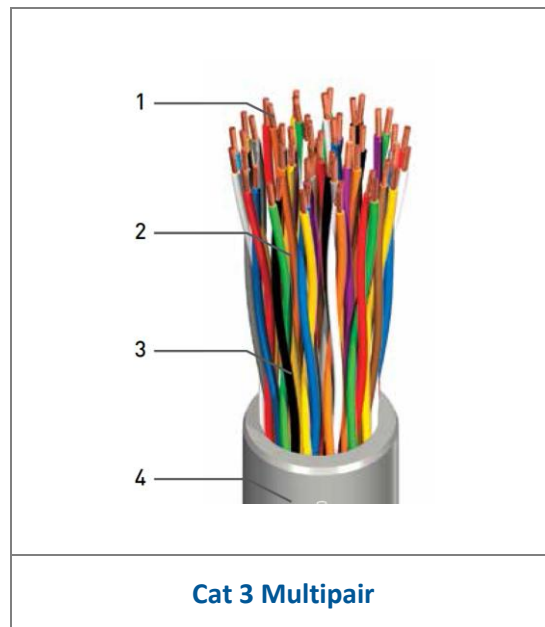**Brand-Rex** | a **LEVITON** company

APPLICATION

Brand-Rex Multipair cables exceed the Category 3 performance standards. They are rated to 16MHz and are suitable for use in all Class C structured wiring cable systems. The range supports data and voice transmissions at frequencies up to 16MHz.

FEATURES AND BENEFITS

- 24 AWG Solid Annealed Copper Wire
- Polyolefin Core Insulation
- Colour coded cores for easy identification
- 10 - 100 Unshielded Twisted Pairs cabled together in 25 pair units*†
- Designed to support all Class C protocols
- HFFR-LS* material meets the requirements of the Construction Products Regulation (CPR) EuroClass Eca
- Rip cord applied under sheath for ease of stripping

* Halogen Free Flame Retardant – Low Smoke

†† Except 10 pair construction

Cat 3 Multipair

STANDARDS

Applicable Cable Standards: ISO/IEC 11801 & IEC 61156

REACTION TO FIRE

CHARACTERISTIC	STANDARD	RATING
Single Cable Flame Rating	IEC/EN 60332-1-2	Pass
EuroClass Level	EN13501-6	Eca

PRIMARY ELECTRICAL PARAMETERS

CHARACTERISTIC	SPECIFICATION
Conductor Loop Resistance	Max 19 Ω / 100m
Insulation Resistance	>5GΩ.km
Mutual Capacitance	Max 66nF/km

ELECTRICAL PERFORMANCE

Frequency (MHz)	.772	1	4	8	10	16
Max Insertion Loss dB/100m)	2.2	2.6	5.6	8.5	9.7	13.1
Min PSNEXT (dB)	43	41	32	27	26	23

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TEMPERATURE

Temperature *(Storage)*	0°C to +50°C
Temperature *(Operation)*	-20°C to +75°C

COLOUR CODE

Pair Number	Core A	Core B	Pair Number	Core A	Core B
1	White	Blue	14	Black	Brown
2	White	Orange	15	Black	Grey
3	White	Green	16	Yellow	Blue
4	White	Brown	17	Yellow	Orange
5	White	Grey	18	Yellow	Green
6	Red	Blue	19	Yellow	Brown
7	Red	Orange	20	Yellow	Grey
8	Red	Green	21	Violet	Blue
9	Red	Brown	22	Violet	Orange
10	Red	Grey	23	Violet	Green
11	Black	Blue	24	Violet	Brown
12	Black	Orange	25	Violet	Grey
13	Black	Green	-	-	-

Pair Count	10	25	50	100
Centre	n/a	n/a	4 x ½ *	4 x 1
Unit #	Colour Of Unit Lappings			
1			White - Blue	White - Blue
2			White - Orange	White - Orange
3				White - Green
4				White - Brown

* ½ refers to 12 or 13 pair sub units

PRINT LEGEND

Example print legend:

**[Length Mark]m BRAND-REX a LEVITON company (HCA012) C3U-25PR-HF1-Eca 25 PAIR Cat 3 U/UTP
IEC 60332-1-2 EuroClass Eca NVP 0.69 [ID number] [Week/Year]**

*"Brand-Rex is **dedicated** to **designing**, **developing** and **manufacturing***
*sustainable **high performance** structured cabling and speciality **cabling solutions**"*