

## Patch Cord



The Patch Cord has been tested and verified for full compliance with the following standards:

**ANSI/TIA/EIA-568-B.2-1**  
**IEC 61156-5 (ISO/IEC 11801 2nd edition)**  
**CENELEC EN 50288-3**  
**EN50173:2002, EN50167, EN50169**

### Applications

The Patch Cord supports all available LAN applications and they are used for work area, jumper and patching in LANs, warranty features until 350 MHz.

The Patch Cords are molded. Both cable ends are terminated with modular unshielded plug connectors.

### Benefits and Features

Exceed Cat.5E requirements  
 High quality and cable design  
 High Return Loss and NEXT Loss values  
 Low propagation delay  
 High Electro-Magnetic Interference protection  
 Comfortable cable handling by a smooth jacket  
 Molded plug terminations.

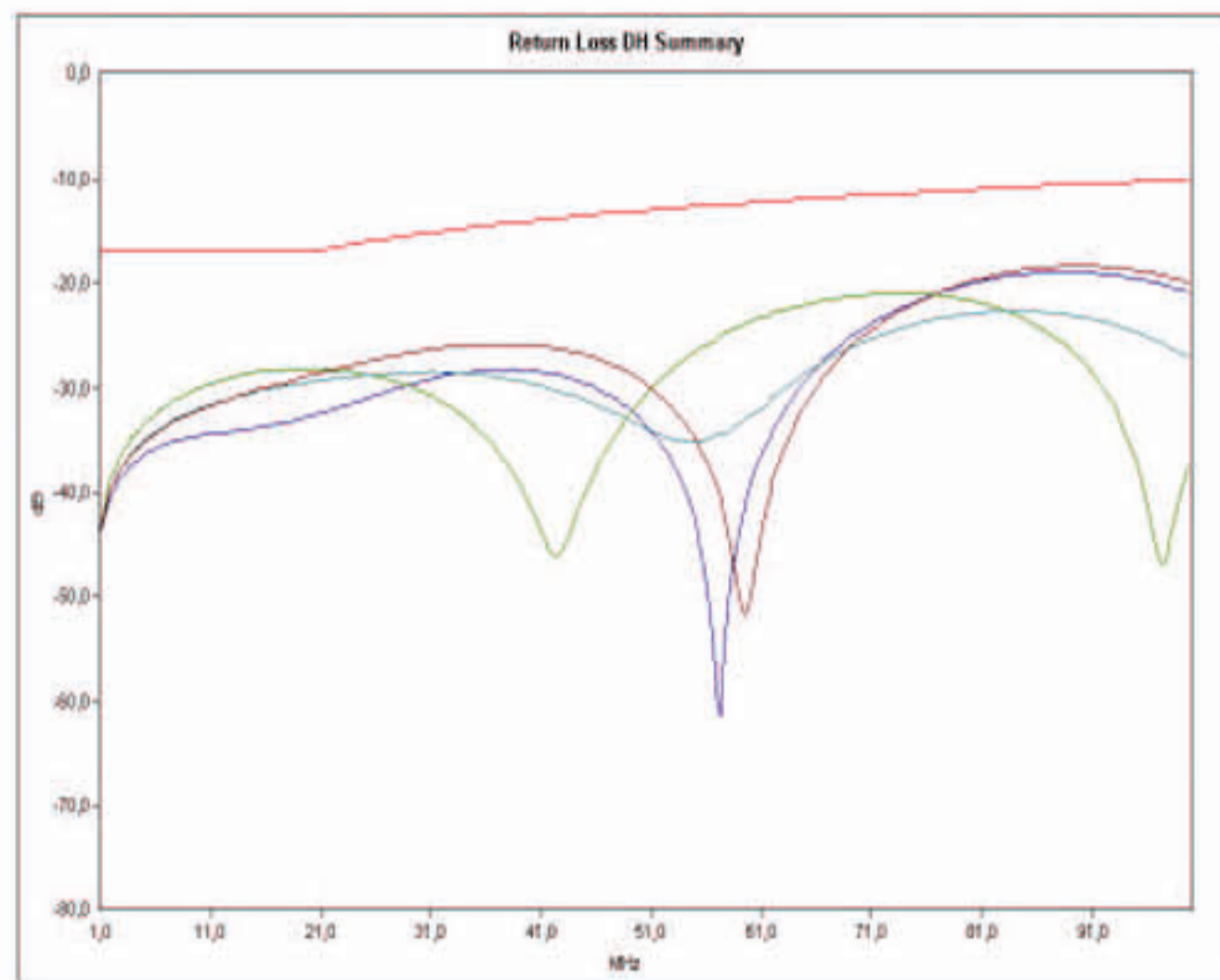
### General properties

Construction: Stranded bare annealed copper wire  
 Diameter: 24AWG  
 Insulation: Polyolefin  
 Number of insulated conductors: 8, twisted in 4 pairs.  
 Color code: Blue x White/Blue, Orange x White/Orange, Green x White/Green, Brown x White/Brown.

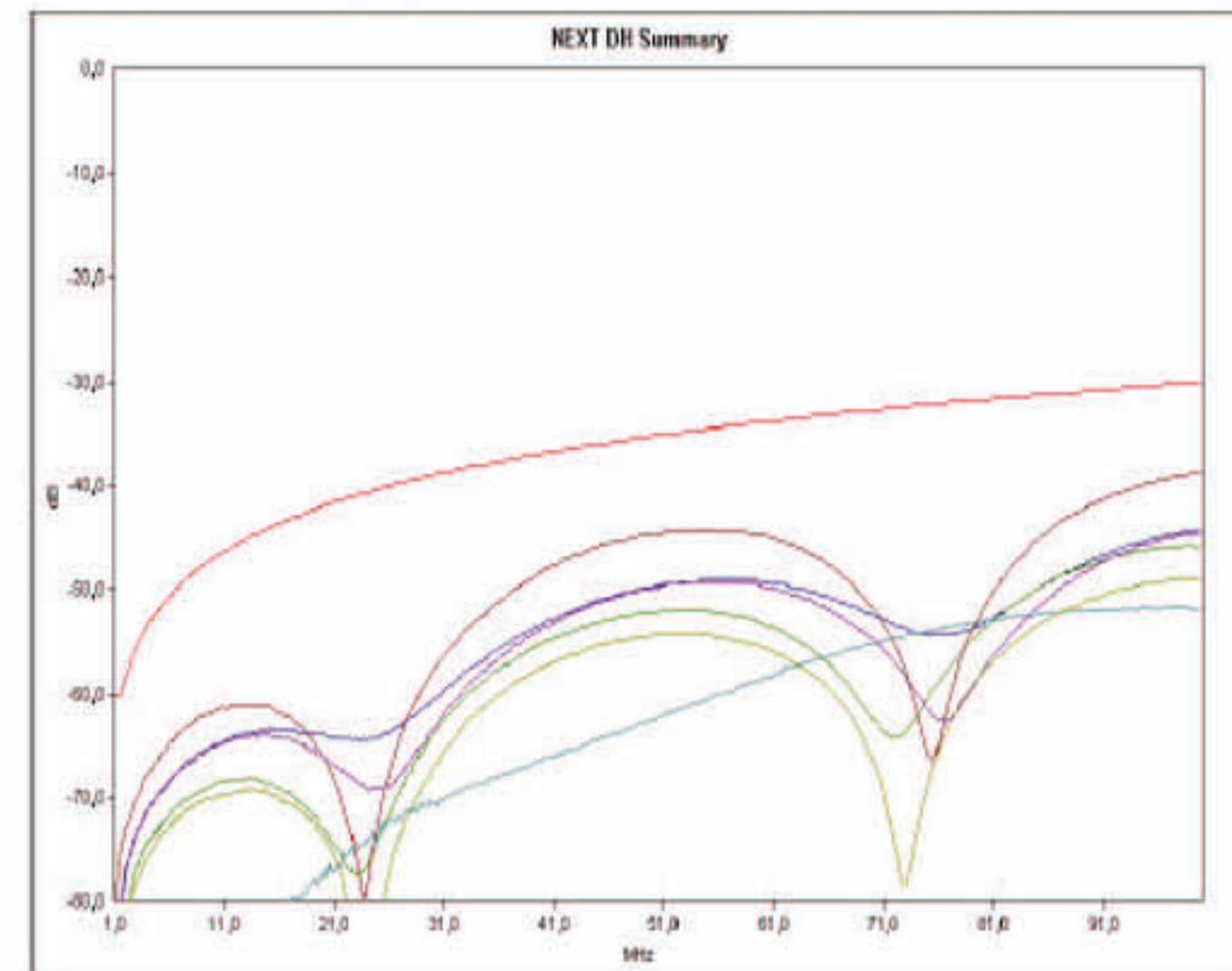
### Electical Characteristics @ 20°C

Contact Resistance: 20 mohm max  
 Input/Output resistance: 200 mohm max  
 Input/Output resistance Unbalance: 50 mohm max  
 Voltage rating: 230 Vrms max  
 Insulation Resistance: 500M $\Omega$ /min @ 500 Vdc  
 DC Resistance: 0.1 Ohm max

Frequency MHz	Attenuation dB/100m	NEXT dB	PSNEXT dB	ACR dB/100m	PSACR dB/100m	ELFEXT dB/100m	PSELFEXT dB/100m	RL dB
1	2.1	65.3	62.3	63.2	60.2	63.8	60.8	20.0
4	4.1	56.3	53.3	52.2	49.2	51.7	48.7	23.0
10	6.5	50.3	47.3	43.8	40.8	43.8	40.8	25.0
16	8.2	47.3	44.3	39.1	36.1	39.7	36.7	25.0
20	9.3	45.8	42.8	36.5	33.5	37.7	34.7	25.0
31.25	11.7	42.9	39.9	31.2	28.2	33.9	30.9	23.6
62.5	17.0	38.4	35.4	21.4	18.4	27.8	24.8	21.5
100	22.0	35.3	32.3	13.3	10.3	23.8	20.8	20.1
155		32.5	29.5					
200		30.8	27.8					



**Return Loss**



**NEXT**

Code.	DESCRIPTION
E2041-035	UTP CAT.5e 0.35 M
E2038-05	UTP CAT.5e 0.5 M
E2038-1	UTP CAT.5e 1M
E2038-2	UTP CAT.5e 2M
E2038-3	UTP CAT.5e 3M
E2038-5	UTP CAT.5e 5M
E2038-10	UTP CAT.5e 10 M

**Other sizes available upon request**