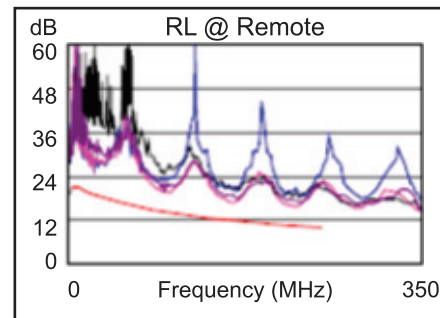
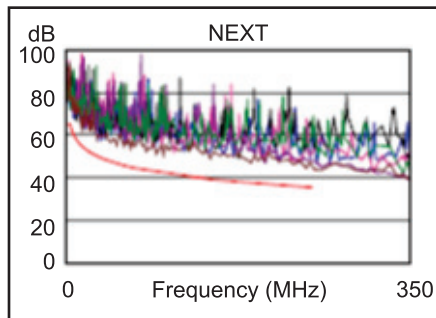


## ✦ TRANSMISSION CHARACTERISTICS PER 100M

| Frequency MHz | Insertion Loss (dB/100m) | RL (dB) | NEXT (dB) | PSNEXT (dB) | ELFEXT (dB) | PSELFEXT (dB) | ACR (dB) | PSACR (dB) |
|---------------|--------------------------|---------|-----------|-------------|-------------|---------------|----------|------------|
| 1             | 2.0                      | 20.0    | 74.3      | 72.3        | 67.8        | 64.8          | 72.3     | 70.3       |
| 4             | 3.8                      | 23.0    | 65.3      | 63.3        | 55.8        | 52.8          | 61.5     | 59.5       |
| 8             | 5.3                      | 24.5    | 60.8      | 58.8        | 49.7        | 46.7          | 55.5     | 53.5       |
| 10            | 6.0                      | 25.0    | 59.3      | 57.3        | 47.8        | 44.8          | 53.3     | 51.3       |
| 16            | 7.6                      | 25.0    | 56.2      | 54.2        | 43.7        | 40.7          | 48.6     | 46.6       |
| 20            | 8.5                      | 25.0    | 54.8      | 52.8        | 41.8        | 38.8          | 46.3     | 44.3       |
| 25            | 9.5                      | 24.3    | 53.3      | 51.3        | 39.8        | 36.8          | 43.8     | 41.8       |
| 31.25         | 10.7                     | 23.6    | 51.9      | 49.9        | 37.9        | 34.9          | 41.2     | 39.2       |
| 62.5          | 15.4                     | 21.5    | 47.4      | 45.4        | 31.9        | 28.9          | 32.0     | 30.0       |
| 100           | 19.8                     | 20.1    | 44.3      | 42.3        | 27.8        | 24.8          | 24.5     | 22.5       |
| 200           | 29.0                     | 18.0    | 39.8      | 37.8        | 21.8        | 18.8          | 10.8     | 8.8        |
| 250           | 32.8                     | 17.3    | 38.3      | 36.3        | 19.8        | 16.8          | 5.5      | 3.5        |



## ✦ MECHANICAL PROPERTIES

Bending Radius: < 25.4mm at -20°C ± 1°C  
 Pulling Force: 11.5 Kg  
 Operating Temperature Range: -20°C to +70°C  
 Storage Temperature Range: 0°C to +50°C

## ✦ ORDERING INFORMATION

| Part Code | Description                |
|-----------|----------------------------|
| Q-C6U305  | CAT6 UTP 23AWG Solid: 305M |

## ✦ CONNECTION SYSTEM

Compatible with all common systems according to TIA/EIA 568-C.2 and ISO/IEC 11801 Class E

## ✦ PACKING

Reels of guaranteed 305m Length



13 Angus Crescent,  
 Longmeadow Business Park East, Modderfontein,  
 South Africa

GPS: 26° 6'53.12"S and 28° 8'17.23"E