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FUTURE-PROOFING YOUR IT INFRASTRUCTURE



DELIVERING EXCELLENCE
anytime, everywhere
for more than 100 years



Copper cabling



Fibre optic cabling



Comms room and
data centre solutions

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DATWYLER

HIGH-PERFORMANCE COPPER CABLING

Datwyler copper cabling systems offer high investment security for the future, as they keep up with constantly increasing transmission rates and enable you to exploit the full potential of your IT network. With the components in this guide, you can install Class E cabling systems up to 250 MHz.



DATA CABLE FOR CATEGORY.6 NETWORKS

| Article No. | Dimension | Cable | Colour | Sheath | PU |
|-------------|---------------|--|--------|--------|--------------------|
| 276230 | 4 x 2 x AWG24 | CU 600 4P U/UTP 250 MHz, Category 6 | Blue | FR/PVC | 305m Quick Pull |

ELECTRICAL CHARACTERISTIC

| CATEGORY | 5e | | | | | 6 |
|-----------------------|------|------|-------|-------|-------|---|
| Frequency [MHz] | 1 | 4 | 10 | 100 | 250 | |
| Attenuation [dB/100m] | 3.00 | 3.50 | 5.50 | 18.6 | 31.1 | |
| NEXT [dB] | 65.0 | 64.1 | 57.8 | 41.8 | 35.3 | |
| PS NEXT [dB] | 62.0 | 61.8 | 55.5 | 39.3 | 32.7 | |
| Delay [ns] | 570 | 552 | 545.4 | 537.6 | 536.3 | |
| ACR-F [dB] | 64.2 | 52.1 | 44.2 | 24.2 | 16.2 | |
| PS-ACR-F [dB] | 61.2 | 49.1 | 41.2 | 21.2 | 13.2 | |
| Return loss [dB] | 19.1 | 21 | 21 | 14.0 | 10.0 | |

These performance data are typical measured values
FLUKE Permanent link Technical Performance (≤85m)

| | |
|--------------------------|------------------|
| DC resistance at 20° C: | 9.5 Ω/100m |
| DC Conductor Resistance: | 5.0% (Unbalance) |
| Impedance at 100 MHz: | 100 Ω ±15 Ω |
| Delay Skew: | ≤ 45 ns/100m |

Other versions and packagings available on request

WE WILL BE HAPPY TO ADVISE YOU!

*Picture is for illustration purpose only.
*Physical product delivered may vary

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