

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Part Number: 1227A1 Paired - DataTwist® 3 UTP Cable



DESCRIPTION:

24 AWG solid bare copper conductors, twisted pairs, S-R PVC insulation, PVC jacket. Sequential marking at two foot inter

PHYSICAL CHARACTERISTICS :

CONDUCTOR :

Number of Pairs: **2**
Total Number of Conductors: **4**
AWG: **24**
Stranding: **Solid**
Conductor Material: **BC - Bare Copper**

INSULATION :

Insulation Material: **S-R PVC - Semi-Rigid Polyvinyl Chloride**
Nom. Insulation Wall Thickness: **.007 in.**

PAIR :

Pair Color Code Chart:

Number	Color
1	White/Blue & Blue/White
2	White/Orange & Orange/White

OUTER SHIELD :

Outer Shield Material: **Unshielded**

OUTER JACKET :

Outer Jacket Material: **PVC - Polyvinyl Chloride**

OVERALL NOMINAL DIAMETER :

Overall Nominal Diameter: **.170 in.**

MECHANICAL CHARACTERISTICS :

Operating Temperature Range: **-20 ° C To +75 ° C**
Bulk Cable Weight: **12.1 lbs/1000 ft.**
Max. Recommended Pulling Tension: **20 lbs.**
Min. Bend Radius (Install): **2 in.**

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE :

APPLICABLE STANDARDS :

NEC/(UL) Specification: **CMR**
NEC Articles: **800**
TIA/EIA Specification: **TIA/EIA 568-B.2 Category 3**

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Other Specification:

NEMA WC-63 Category 3

FLAME TEST :

UL Flame Test:
IEEE Flame Test:

**UL1666 Riser
802.3 10BaseT, 100BaseT4**

PLENUM/NON-PLENUM :

Plenum (Y/N):
Plenum Number:

**N
1243A2**

ELECTRICAL CHARACTERISTICS :

Nom. Characteristic Impedance: **100 Ω**
 Nom. Capacitance Conductor to Conductor @ 1 KHz: **19.0 pF/ft**
 Maximum Capacitance Unbalance (pF/100 m): **330 pF/100 m**
 Nominal Velocity of Propagation: **61 %**
 Nominal Delay: **1.5 ns/ft**
 Nom. Conductor DC Resistance @ 20 Deg. C: **28.0 Ω/1000 ft**
 Maximum Conductor DC Resistance @ 20 Deg. C: **9.38 Ω/100 m**
 Maximum DCR Unbalance @ 20 Deg. C: **5 %**
 Max. Operating Voltage - UL: **300 V RMS**
 Other Maximum Continuous Currents: **1.4 Amps per conductor @ 25 ° C.**

ELECTRICAL CHARACTERISTICS - PREMISE :

Premise Cable Electricals:

Frequency (MHz)	Max. Attenuation (dB/100 m)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. Structural Return Loss (dB)	Fitted Impedance (Ohms)
1	2.56	41.0	No Spec	12.0	100 ± 15
4	5.58	32.0	No Spec	12.0	100 ± 15
8	8.50	27.0	No Spec	12.0	100 ± 15
10	9.71	26.0	No Spec	12.0	100 ± 15
16	13.10	23.0	No Spec	9.96	100 ± 15

NOTES :

Notes:

Third party verified to TIA/EIA-568-B.2, Category 3.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1227A1 008U1000	2 PR #24 PVC PVC	U1000	14	GRAY	