

Sheath Printing	Per Request																																																																																												
Category	UTP CAT 3-2P-PVC																																																																																												
Test Standard	ISO/IEC 11801, TIA-568-C.2 YD/T1019																																																																																												
Material	SOLID- Bare Copper																																																																																												
1. Conductor	Nom. O.D.(mm)	0.500	UP	+0.005	<p>FLUKE Technical Performance</p> <table border="1"> <thead> <tr> <th>Frequency (MHz)</th> <th>RL ≥dB</th> <th>ATT ≤dB</th> <th>NEXT ≥dB</th> </tr> </thead> <tbody> <tr><td>1</td><td>19.0</td><td>3.0</td><td>60.0</td></tr> <tr><td>4.0</td><td>19.0</td><td>3.9</td><td>54.8</td></tr> <tr><td>8.0</td><td>19.0</td><td>5.5</td><td>50.0</td></tr> <tr><td>10.0</td><td>19.0</td><td>6.2</td><td>48.5</td></tr> <tr><td>16.0</td><td>19.0</td><td>7.9</td><td>45.2</td></tr> <tr><td>20.0</td><td>19.0</td><td>8.9</td><td>43.7</td></tr> <tr><td>25.0</td><td>18.0</td><td>10.0</td><td>42.1</td></tr> <tr><td>31.25</td><td>17.1</td><td>11.2</td><td>40.5</td></tr> <tr><td>16.2</td><td>35.7</td><td></td><td></td></tr> <tr><td>100</td><td>12.0</td><td>21.0</td><td>32.3</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Frequency (MHz)</th> <th>PSNEXT ≥dB</th> <th>ELFEXT ≥dB</th> <th>PSELFEXT ≥dB</th> </tr> </thead> <tbody> <tr><td>1</td><td>57.0</td><td>58.6</td><td>55.6</td></tr> <tr><td>4</td><td>51.8</td><td>46.6</td><td>43.6</td></tr> <tr><td>8</td><td>47.0</td><td>40.6</td><td>37.5</td></tr> <tr><td>10</td><td>45.5</td><td>38.6</td><td>35.6</td></tr> <tr><td>16</td><td>42.2</td><td>34.5</td><td>31.5</td></tr> <tr><td>20</td><td>40.7</td><td>32.6</td><td>29.6</td></tr> <tr><td>25</td><td>39.1</td><td>30.7</td><td>27.7</td></tr> <tr><td>31.25</td><td>37.5</td><td>28.7</td><td>25.7</td></tr> <tr><td>62.5</td><td>32.7</td><td>22.7</td><td>19.7</td></tr> <tr><td>100</td><td>29.3</td><td>18.6</td><td>15.6</td></tr> </tbody> </table>	Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	1	19.0	3.0	60.0	4.0	19.0	3.9	54.8	8.0	19.0	5.5	50.0	10.0	19.0	6.2	48.5	16.0	19.0	7.9	45.2	20.0	19.0	8.9	43.7	25.0	18.0	10.0	42.1	31.25	17.1	11.2	40.5	16.2	35.7			100	12.0	21.0	32.3	Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	1	57.0	58.6	55.6	4	51.8	46.6	43.6	8	47.0	40.6	37.5	10	45.5	38.6	35.6	16	42.2	34.5	31.5	20	40.7	32.6	29.6	25	39.1	30.7	27.7	31.25	37.5	28.7	25.7	62.5	32.7	22.7	19.7	100	29.3	18.6	15.6
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	Material	HDPE	DOWN	-0.005																																																																																									
2. Insulation Color	Diameter	0.88±0.003mm																																																																																											
	Blue, White Blue	Orange, White Orange																																																																																											
3. Rip-Cord	Yes	Drain Wire	NO																																																																																										
	Thickness	0.55±0.05 mm																																																																																											
4. Sheath Surface printing	External O.D.	4.1±0.4 mm																																																																																											
	Surface	Clean, Frap, Satiation																																																																																											
	Material	PVC(complies RoHS)																																																																																											
	Color	Multiple																																																																																											
	Color	Black																																																																																											
Surface printing	Print error and space	≤±0.5%, 1m																																																																																											
	Letter Height	3.0±0.3mm																																																																																											
	Packing length	200± 1.0m/500±2.5m/1000±3.0m	3.0±0.3mm																																																																																										
Sheath Physical properties	Before aging tensile strength (Mpa)	≥13.5																																																																																											
	Elongation (%)	≥150																																																																																											
Sheath Physical properties Electrical Characteristics	Aging period (°C×hrs)	100°C×24h×7d																																																																																											
	After aging tensile strength (Mpa)	≥12.5																																																																																											
	Elongation (%)	≥125																																																																																											
	Cold bend (-20±2°C×4h) 8×Cable O.D. °C	No visible crack																																																																																											
Electrical Characteristics	1.0-100.0MHz, Characteristic impedance (Ω)	100±15																																																																																											
	1.0-100.0MHz, Delay shew 20°C(ns/100m)	≤45																																																																																											
	DC Resistance 20°C(Ω/100m)max	9.5																																																																																											

Part No.	Description
114-50102	CAT. 3 TELEPHONE CABLE 2 PAIR INDOOR 1M