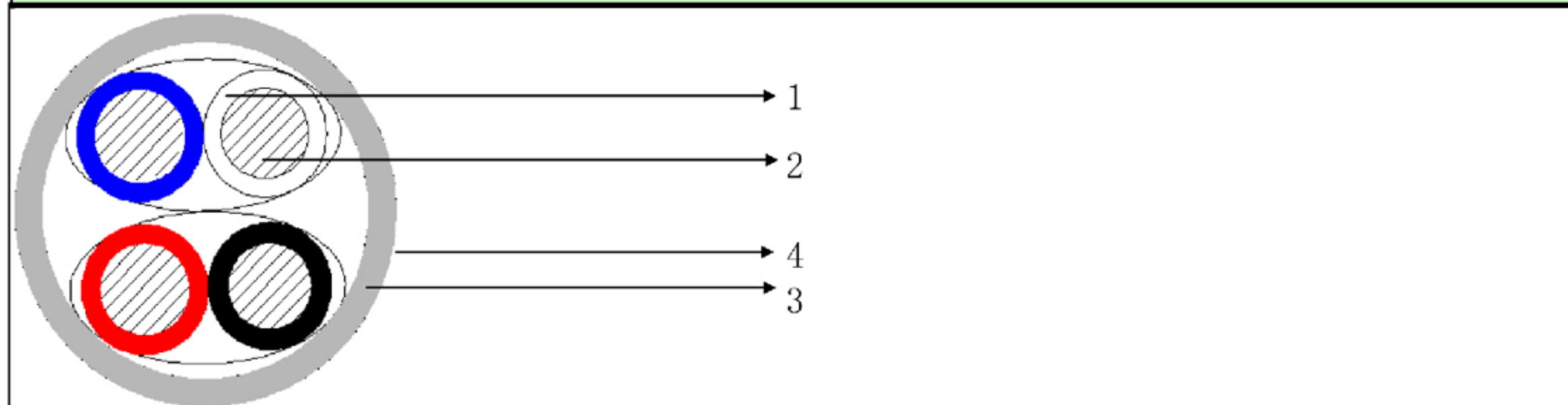


### CAT3 UTP CABLE SPECIFICATION

**REF:XT-2** **TECHNICAL DATA SHEET**

100 Ω UTP 2pairs cable category3 - 100MHz - PVC sheath



**CABLE DESCRIPTION**

1-CONDUCTOR	PARAMETER	UNIT	VALUE
TYPE:SOLID-Bare copper	Max.linear resistance.	Ω /km	≤95.5
DIAMETER:0.50mm±0.008mm	Mutual capacity(nom.)	pF/m	50
AWG:24	Unbalance capacity max (p/p at 1 KHz)	pF/km	1600
<b>2-INSULATION</b>	Characteristic impedance (1 at 100 MHz)	Ω	100±15
TYPE:PE solid	VELOCITY OF PROPAGATION (f>1MHz)	%of c	66
Average Thickness: 0.2 mm	Delay Skew	ns/100m	≤45
DIAMETER:0.9mm±0.01mm	Pulling strength (N)	N/mm2	≥13.5
<b>3-RIP CORD</b>	Minimum bend radius (mm):	mm	42
YES	Operating temperature:	°C	-20°C~70°C
<b>4-OUTER JACKET</b>	temperature of installation	°C	-10°C~60°C
TYPE:PVC			
COLOUR:GREY			
THICKNESS:0.55mm			
EXTERNAL DIAMETER:4.2mm±0.5mm			

**ELECTRICAL CHARACTERISTICS**

Frequency (MHz)	Return loss(dB)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1	20.0	2.04	65.3	62.3	63.8	60.8
4	23.0	4.10	56.3	53.3	51.8	48.8
10	25.0	6.50	50.3	47.3	43.8	40.8
16	25.0	8.20	47.2	44.2	39.7	36.7
20	25.0	9.30	45.8	42.0	37.8	34.8
25	24.3	10.40	44.3	41.3	35.8	32.8
31.25	23.6	11.70	42.9	39.9	33.9	30.9
62.5	21.5	17.00	38.4	35.4	27.9	24.9
100	20.1	22.00	35.3	32.3	23.8	20.8

**OTHER CHARACTERISTICS**

MINIMUM BENDING RADIUS:10×Diameter  
 WHIGHT:20.6kg/km  
 FIRE BEHAVIOUR:IEC 60332-1-3  
 PACKING:305m BOX

