



Construction

Conductor	24AWG Soft Plain Copper (0.51±0.01mm)
Insulation	Polyethylene with colour marking on white cores to ease identification
Colour Code	White-Blue/Blue, White-Orange/Orange, White-Green/Green, White-Brown/Brown
Shield	None
Outer Jacket	Color RAL4005, Nominal Diameter 5.1±0.5 mm
Additional Components	Cable is supplied with ripcord
Printing	Sheath printed Black, CE 20 ACT CAT6 U/UTP CU 4X2XAWG24 250MHZ DoP 1176113/ XS6003-CPR Dca, s1, d2, a1 EN50575:2014+A1:2016 ISO/IEC 11801 ANSI/TIA-568.2-D CLASS E NB 2652 Installation data copper communication cable MM/DD/YY *****M

Maximum Pulling Force	100N
Minimum Bending Radius	8*OD
Nominal Weight	45KG/KM
Operating Temperature	-15Deg C ~ +60 Deg C
Installation Temperature	+0 Deg C ~ +50 Deg C
Fire Performance	LSZH, CPR Dca
Product lengths	305m per box
PoE	From type1 to type3

DC conductor Resistance at 20℃ (Ω/100m)	≤9.38											
DC resistance unbalance within a pair (%)	≤2											
Insulation Resistance 20oC (MΩ*km) 5000	≥5000											
Diellectric Strength(KV/2S)	2.5DC or 1.5AC, No breakdown											
Mutual capacitance(nF/100m)at 1kHz	≤5.6											
Capacitance unbalance pair to ground(pF/100m)at 1kHz	≤330											
Transmission Frequency (MHz)	1	4	8	10	16	20	25	31.25	62.5	100	200	250
NEXT db/100m	65.0	64.1	59.4	57.8	54.6	53.1	51.5	50.0	45.1	41.8	36.9	35.3
Attenuation db/100m	1.9	3.5	5.0	5.5	7.0	7.9	8.9	10.0	14.4	18.6	27.4	31.1
Return Loss db/100m	19.1	21.0	21.0	21.0	20.0	19.5	19	18.5	16.0	14.0	11.0	10.0
PSNEXT db/100m	62.0	61.8	57.0	55.5	52.2	50.7	49.1	47.5	42.7	39.3	34.3	32.7
ACR-F db/100m	64.2	52.1	46.1	44.2	40.1	38.2	36.2	34.3	28.3	24.2	18.2	16.2
PS ACR-F db/100m	61.2	49.1	43.1	41.2	37.1	35.2	33.2	31.3	25.3	21.2	15.2	13.2
Delay ns/100m	521	504	500	498	496	495	495	494	492	491	490	490
Skew ns/100m	≤45											