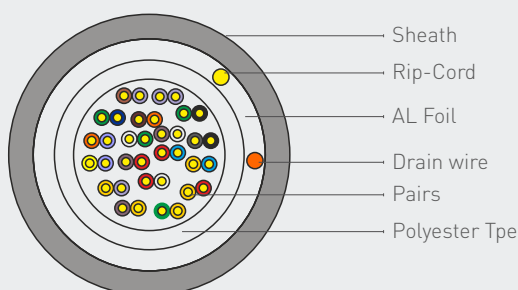
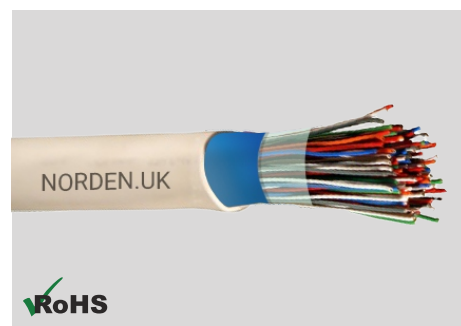


## CATEGORY 3 F/UTP CABLE

Norden Category 3 F/UTP cable exceeds Category 3/Class C specification. It is tested up to 16 MHz frequency range. These cables are used for voice and data communications and can handle application bandwidths up to 16 MHz. Other uses for these cables include indoor use on customer premises for the interconnection of telephone key systems, PBX and intercom systems.



### COMPLIANCE

TIA/EIA 568-C.2 & ISO/IEC 11801  
EN 50173

### MATERIAL CONSTRUCTION & DESIGN

Conductor Material	Bare Copper
Conductor Size	24 AWG
Conductor Diameter	0.490 ± 0.01mm
Conductor Construction	Solid
Insulation Material	PE
Insulation Outer Diameter	0.93 ± 0.1mm
Ripcord	Yes
Drain Wire Material	Tinned Copper
Shield Material	Polyester Tape+ AL Foil
Outer Sheath Thickness	1.0 ± 0.2 mm
Outer Sheath Material	LSZH
Cable O.D	11.3 ± 1.0 mm

### INSULATION COLOR CODE

Pair No.	Wire A Colour	Wire B Colour	Pair No.	Wire A Colour	Wire B Colour
1	White/Blue	Blue/White	16	Yellow /Blue	Blue/ Yellow
2	White/Orange	Orange/White	17	Yellow /Orange	Orange/ Yellow
3	White/Green	Green/White	18	Yellow /Green	Green/ Yellow
4	White/Brown	Brown/White	19	Yellow /Brown	Brown/ Yellow
5	White/Grey	Grey/White	20	Yellow /Grey	Grey/ Yellow
6	Red/Blue	Blue/Red	21	Violet /Blue	Blue/ Violet
7	Red /Orange	Orange/Red	22	Violet /Orange	Orange/ Violet
8	Red /Green	Green/Red	23	Violet /Green	Green/ Violet
9	Red /Brown	Brown/Red	24	Violet /Brown	Brown/ Violet
10	Red /Grey	Grey/Red	25	Violet /Grey	Grey/ Violet
11	Black /Blue	Blue/Black	26	Pink /Blue	Blue/ Pink
12	Black /Orange	Orange/Black	27	Pink /Orange	Orange/ Pink
13	Black /Green	Green/Black	28	Pink /Green	Green/ Pink
14	Black /Brown	Brown/Black	29	Pink /Brown	Brown/ Pink
15	Black /Grey	Grey/Black	30	Pink /Grey	Grey/Pink

# CATEGORY 3 F/UTP CABLE

## ELECTRICAL, MECHANICAL & TRANSMISSION CHARACTERISTICS

Characteristics	Value
Before Aging Tensile Strength (Mpa)	≥10.0
Before Aging Elongation (%)	≥125
After Aging Tensile Strength (Mpa)	≥8.0
After Aging Elongation (%)	≥100
Cold Bend	No crack
Max. Conductor DC Resistance 20°C(Ω/100m)	9.5
DC Conductor Resistance Unbalance (%)max	5.0
Delay Skew 20°C(ns/100m) , 1.0-16.0MHz	≤ 45

## ELECTRICAL PERFORMANCE CHARACTERISTICS

Freq. (MHz)	Attenuation (dB/100m)	NEXT (dB/100m)	RL (dB)
1	2.6	41.3	12.0
4	5.6	32.2	12.0
8	8.5	27.7	12.0
10	9.71	26.3	12.0
16	13.10	23.2	10.0

## ORDERING INFORMATION

Part Number	Description	Max. Overall Diameter (+/- 1mm)
111-100122025X	Category 3 F/UTP 025 Pair Cable PE Insulation LSZH Jacket	11.3 mm

\* R - Ripcord

Color: GY(Grey), CR(Cream) & BK(Black)