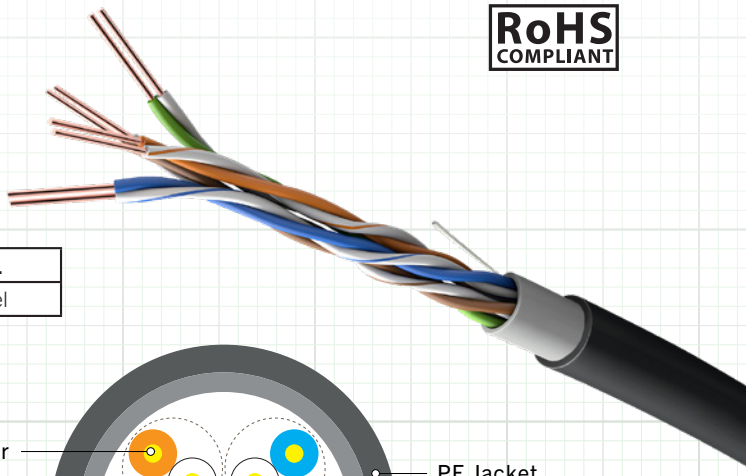
UTP Cat 5e Double Jacket Direct Burial

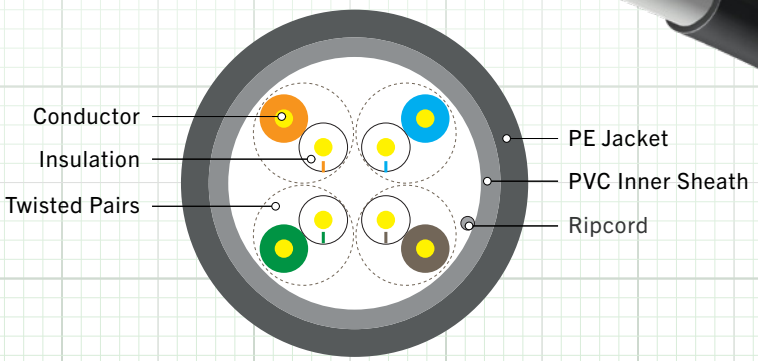
RoHS COMPLIANT



Part Number: N5EDJDB1RL

Part # Legend: (Example: Black, 1000', Pull Box = **N5EDJDB1RL**)

N	5E	DJ	DB	1	RL
Northern	Category	Double Jacket	Direct Burial	1000'	Reel



Electrical Properties (at 20 ˚C ± 5 ˚C)

DC resistance	Max. 9.38 Ω / 100 m at 20 ˚C
Resistance unbalance	Max. 5 % at 20 ˚C
Mutual capacitance	Max. 5.6 nf / 100 m at 1kHz
Cap. unbalance to ground	Max. 330 pf / 100 m at 1kHz
Characteristic impedance	(100 ± 15) Ω at 1 ~ 100 MHz
Nom. velocity of propagation	67 %
Propagation delay	≤ 535 ns / 100 m
Delay skew	≤ 45ns / 100 m

Construction:

Conductor	Bare copper wire	24 AWG
Insulation	Polyethylene	Ø 0.87 mm
Twisting	4 twisted pairs, 2 single conductors paired Twisted pair color code: 1: Blue + White/Blue — 2: Orange + White/Orange 3: Green + White/Green — 4: Brown + White/Brown	
Cable Lay	4 pairs with different pitches	
Ripcord	Yes	
Inner Sheath	PVC (CMX,CM)	
Outer jacket	HDPE OSP	
Outer diameter	6.0 mm ± 1.0 mm	

Standards Compliance:

TIA/EIA 568.2-D
ISO/IEC 11801
UL 444
NEMA WC-66
KS C 3342

Mechanical Specification:

Bending Radius	≥ 4xOD (without load)
Temperature Range	during operation: -20 ˚C ~ 75 ˚C during installation: 0 ˚C ~ 60 ˚C

Transmission Characteristics: ACC. TIA/EIA 568.2-D Cat 5e (20 ˚C)

Freq.	RL	IL	NEXT	PS NEXT	ACRF	PS ACRF	delay	skew
MHz	db	db	db	db	db	db	ns	ns
	Min.	Max.	Min.	Min.	Min.	Min.	Max.	Max.
1	20.0	2.0	65.3	62.3	63.8	60.8	570	45
4	23.0	4.1	56.3	53.3	51.8	48.7	552	45
8	24.5	5.8	51.8	48.8	45.7	42.7	547	45
10	25.0	6.5	50.3	47.3	43.8	40.8	545	45
16	25.0	8.2	47.3	44.3	39.7	36.7	543	45
20	25.0	9.3	45.8	42.8	37.8	34.7	542	45
25	24.3	10.4	44.3	41.3	35.8	32.8	541	45
31.25	23.6	11.7	42.9	39.9	33.9	30.9	540	45
62.5	21.5	17.0	38.4	35.4	27.9	24.8	539	45
100	20.1	22.0	35.3	32.3	23.8	20.8	538	45

Cable Marking:

N5EDJDB 4PR 24AWG PE/PVC/HDPE OSP-AERIAL-CONDUIT MADE IN KOREA MYLLDDS 1000 - 2 FT

Note: Specification subject to change without notice