

Cat 5E U/UTP PETRO

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Unscreened, double sheath

UV- and oilresistant for outdoor use

4x2x24AWG

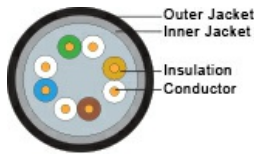
Application

Cable for data transmission, The cable is designed UV-resistant, oil resistant and water resistant. 2 solid jackets of PVC makes the cable useful in petro-industry.



Construction

Conductor	Solid Plain Cu 0,53 [mm] AWG24/1
Insulation	HDPE Ø=0,95±0,05 [mm]
No. of pairs	4
Colour code	IEC 60189-2
Inner jacket	Grey PVC Ø=5,4 [mm]
Outer Jacket	Black oilresistant PVC
Outer diam	8,0 [mm]
Weight	50 [kg/km]



Specifications

Operating temperature	-40 - +70 [°C]
Characteristic impedance	100±15 [Ω] v/1-100MHz
Conductor resistance	≤93,8 [Ω/km]
Insulation resistance	≥1000 [MΩ/km]
Capacitance	51 [pF/m] at 1kHz
Velocity factor	0,66
Min. bending radius	10 [x outer diam]

Norms

Flame retardant	IEC 60332-1
Oil and fuel, hydrocarbons resistant	902#, 90°C x 24h
UV-resistant	UL 1581



Part No.	1089652
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Attenuation

Frequency (MHz)	Attenuation Max. (dB/100m)	Return Loss (dB/100m)	NEXT (dB/100m)	PS-NEXT (dB/100m)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)
1	2,0	20,0	65,3	62,3	63,8	60,8
4	4,1	23,0	56,3	53,3	51,8	48,8
10	6,5	25,0	50,3	47,3	43,8	40,8
16	8,2	25,0	47,2	44,2	39,7	36,7
20	9,3	25,0	45,8	42,8	37,8	34,8
31,25	11,7	23,6	42,9	39,9	33,9	30,9
62,5	17,0	21,5	38,4	35,4	27,9	24,9
100	22,0	20,1	35,3	32,3	23,8	20,8