## M E S C Middle East Specialized Cable

**VDE - 0815** 

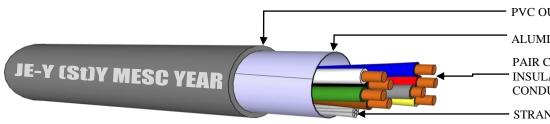
JE -Y(St)Y INDUSTRIAL ELECTRONIC CABLE



Application : Suitable for measurement and control in the fields of electronics. This cable is also used for data transmission in computers. Suitable for fixed installation in dry and humid premises.

**Special Applications :** 

Suitable for MAXI-TERMI point connections.



PVC OUTER SHEATH

ALUMINUM MYLAR TAPE

PAIR CONDUCTOR: – INSULATION: PVC (COLOR CODED) CONDUCTOR: SOLID PLAIN COPPER

STRANDED TINNED COPPER DRAIN WIRE

		<u>Construction</u>	Technical Data			
Conductor	:	Solid plain copper	Temperature range Stationary	:	- 30°C to +90°C	
Insulation	:	PVC insulation type YI-3 to VDE 0207	Flexing	:	- 5°C to +50°C	
Pair	:	Cores twisted into pairs. Two (2) pairs shall be a quad. Pairs color	Peak working voltage	:	225 Volts	
		coded as per VDE-0815. <i>First Pair</i> : Blue + Red, <i>Second Pair</i> : Grey + Yellow <i>Third Pair</i> : Green + Brown <i>Forth Pair</i> : White + Black.	Minimum bending radius	:	7.5 X cable diameter	
			Conductor resistance at 20°C	:	36.6 ohm/Km	
Units	:	Four pairs bundled into a unit and wrapped with an open helix of	Insulation resistance	:	100 MOhm - Km	
		numbered polyester tape.	Mutual Capacitance	:	100 nF/Km (cables up-to 4 pairs the value can	
Assembly	:	Units cabled with non-hygroscopic fillers if necessary, shielded with			exceed by 20%)	
		aluminum polyester tape and stranded tinned copper drain wire for electrostatic noise rejection.	Capacitance unbalance maximum	:	200pF/100m.	
Outer Sheath	:	PVC type YM-1 as per VDE 0207 colored grey (blue for Intrinsically safe	R.M.S. test voltage	:	500 V core/core 2000 V core/screen	
		circuits). Outer sheath passes flame retardant test as per IEC-60332-1	Attenuation	:	1.1dB/Km at 800Hz. 3.0dB/Km at 10 KHz.	

Size mm <sup>2</sup>	MESC CODE	No. of Pairs	Strands x diameter No. x mm	Insulation thickness mm	Sheath thickness mm	Approx. O. D. mm	Approx. Weight kg/km
	N261-01P00050-U0GY8-00	1	1 X 0.8	0.3	1.0	5.1	45
	N261-02P00050-U0GY8-00	2	1 X 0.8	0.3	1.0	5.9	60
	N261-04P00050-U0GY8-00	4	1 X 0.8	0.3	1.0	9.1	105
0.5	N261-08P00050-U0GY8-00	8	1 X 0.8	0.3	1.0	11.4	170
	N261-12P00050-U0GY8-00	12	1 X 0.8	0.3	1.2	13.7	250
	N261-16P00050-U0GY8-00	16	1 X 0.8	0.3	1.2	15.3	315
	N261-20P00050-U0GY8-00	20	1 X 0.8	0.3	1.2	16.8	375

Packing: Wooden Drums of 500/1000 Meters.

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