

18/1P STRANDED SHIELDED FEP

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GENERAL INFO

In many electronic applications, two wires are required to complete circuits; these are often referred to as “balanced arrays” or “twisted pair” constructions. Paired cable designs find frequent application in circuits requiring circuit-to-circuit isolation from noise, minimization of capacitance imbalances and a reduction of EMI interference currents. Circuit separation is further enhanced in those designs employing individual circuit shields in concert with an overall shield. These shielding systems are available from General Cable in myriad combinations to suit the unique needs of the circuit designer. As with the multi-conductor designs, a wide array of insulating and jacketing materials are available to meet specific electronic applications. General Cable's Carol® Brand communication cable products are manufactured to meet the latest UL, CSA and NEC requirements and approvals.

PRODUCT RANGE GENERAL INFORMATION

Conductor material	Copper
Nominal voltage U [V]	150

ELECTRICAL PROPERTIES

Nominal operation capacitance [pF/ft]	
Screen DC resistance [mOhm/ft]	
Conductor resistance at 20° C [mOhm/ft]	6.55

STANDARDS AND APPROVALS



ITEM DETAILS

AWG size	18
Conductor category	Class 2 = stranded
Nominal outer diameter [inch]	0.16

PRODUCT PACKAGING

APPLICATION PROPERTIES

Product name	18/1P STRANDED SHIELDED FEP
Conductor resistance at operation temperature [mOhm/ft]	
Nominal thickness insulation [inch]	0.007
Nominal outer diameter [inch]	0.16
Nominal operation capacitance [pF/ft]	
Screen DC resistance [mOhm/ft]	
Nominal thickness insulation [mm]	0.18
Nominal outer diameter [mm]	4.06