

Cable Specifications						
Type	Part Number			Construction		
TF	FJ1939182-001			18/2 Shielded with Bare Copper Drain Outside Shield		
TF	FJ1939182-005			18/2 Shielded with Tinned Copper Drain Inside Shield		
TF	FJ1939202-001			20/2 Shielded with Bare Copper Drain Outside Shield		
CR	FJ1939182-002			18/2 Shielded with Bare Copper Drain Outside Shield		
CR	FJ1939202-002			20/2 Shielded with Bare Copper Drain Outside Shield		
SAE J-1939/11 SPECIFICATION						
	20 AWG			18 AWG		
	Min.	Nom.	Max.	Min.	Nom.	Max.
No. of Pairs	One Twisted Pair			One Twisted Pair		
AWG	20 AWG			18 AWG		
Metric	0.5 mm 2			0.8 mm 2		
Insulation						
Inner Conductor Diameter	0.088"		0.12"	0.098"		0.138"
	2.23mm		3.05mm	2.5mm		3.5mm
Shield						
	Shielded Twisted Pair			Shielded Twisted Pair		
Mechanical						
Overall Outer Diameter	0.236"		0.335"	0.335"		0.443"
	6.0mm		8.5mm	8.5mm		3.5mm
Operating Temperature Range	125°C			125°C		
Min. Installed Bending Radius	4x cable diameter			90° bend without performance or physical degradation		
Electrical						
Specific Line Delay	Vp 67%			Vp 67%		
			5nS/M			5nS/M
Impedance	108Ω	120Ω	130Ω	108Ω	120Ω	130Ω
Nom. Capacitance Conductor to Conductor	0 pF/ft.	12 pF/ft.	23 pF/ft.	0 pF/ft.	12 pF/ft.	23 pF/ft.
Nom. Capacitance Conductor to Other	0 pF/ft.	40 pF/ft.	75 pF/ft.	0 pF/ft.	40 pF/ft.	75 pF/ft.
Conductor and Shield Specific Conductor DC	0 pF/ft.	21 pF/ft.	34 pF/ft.	0 pF/ft.	21 pF/ft.	34 pF/ft.
Resistance mΩ/M @ 20°C	0	70 pF/ft.	110 pF/ft.	0 pF/ft.	70 pF/ft.	110 pF/ft.
DC Resistance mΩ/M @ 20°C		200	225		200	225