FEATURES:

- Signal
- Control
- Instrumentation
- Power

DataCELL® FIELD CANopen®

BENEFITS:

- Designed to exacting SAE J1939 CAN specifications
- Many UL listed and CSA certified and CE Mark options available
- CAN compatible configurations options include: DeviceNet™, SAE J1939/11, SAE J1939/15, Standard CAN and Custom CAN

DYNAMIC RANGE OF USE:

- Medical equipment
- High-flex versions for robotics
- Off-road vehicles
- Maritime electronics
- Public transportation
- Building automation

DataCELL® FIELD ODVA™ DeviceNet™

BENEFITS:

- ODVA-compliant to Thin versions
- Special PLTC versions available
- 10 million-cycle high-flex life versions
- Delivers consistent, reliable performance for your sophisticated industrial networking solution

DYNAMIC RANGE OF USE:

- Designed for connecting electronic control units - typically sensors, actuators and other control devices

	SAE J1939/11	SAE J1939/15	ODVA™ DeviceNet™	
	Shielded Twisted Pair	Unshielded Twisted Pair	Thin	
INSULATED CONDUCTORS				
Conductor Count	2+	2+	4	
AWG (mm2)	20 - 18 (0.5 - 0.8)	20 - 18 (0.5 - 0.8)	24 and 22/2 (0.51 and 0.325)	
Stranding - Strands	–	–	19 Strand TC	
Material	XLPE	XLPE	Data Pair - Foam Polyethylene	Power Pair - PVC
Minimum Wall Thickness in inches (mm)	.038 (0.965)	.038 (0.965)	.026 (0.66)	.015 (0.38)
OVERALL CABLING				
Fillers	★	★	★	
Shielding	★	★	★	
Armoring	★	★	★	
Wraps	★	★	★	
Strength Members	★	★	★	
OUTER JACKET				
Material	★ TPE, Polyester	★ TPE, Polyester	PVC	
Color	★ Black	★ Black	★ Gray	
Overall OD inches (mm)	Dependent on construction	Dependent on construction	.290 (7.37)	
ELECTRICAL				
Max. Operating Voltage - UL	★	★	300V	
DC Resistance Max mΩ/ft (mΩ/m)	15.25 (50)	15.25 (50)	Data Pair - 28 (91.9) Power Pair - 17.5 (57.4)	
DC Resistance Nominal mΩ/ft (mΩ/m)	7.625 (25)	7.625 (25)	–	
Impedance (Ω)	120 ± 10%	120 ± 10%	Data Pair - 120 ± 10%	
Capacitance pF/Ft (pF/m)	22.9 (75) conductor to conductor 33.5 (110) conductor to shield	22.9 (75) conductor to conductor 33.5 (110) conductor to shield	12.0 (39.4) conductor to conductor	

EXTREME ENGINEERING:

IMPACT RESISTANT · CRUSH RESISTANT · FLAME RESISTANT · EXPOSED RUN · DIRECT BURIAL · WET USE · OIL RESISTANT · CHEMICAL RESISTANT · UV RESISTANT · CUT RESISTANT · WELD FLASH · WELD SLAG · SILICONE FREE