

# 18AWG/4C, with Braid, PVC/PVDF Cable



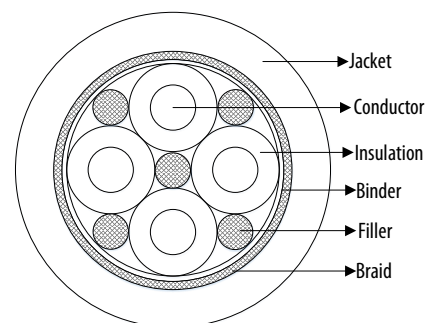
## PRODUCT DATA SHEET

This cable is rated at 300 volts, 105°C temperature rated. It has excellent oil resistant characteristics. Especially the jacket Kynar®PVDF has the best balance of mechanical properties and melt process ability. Semi-rigid, flexible and highly flexible grades are available.

**Design Number** 11103  
**Part Number** 32201896  
**Customer Number** N/A

### CONSTRUCTION

**Conductor:** Stranded tinned copper  
**Conductor Size:** 18AWG(16/30)  
**Insulation Material:** Polyvinyl Chloride  
**Insulation Thickness:** 0.015", [0.38mm]  
**Insulation Diameter:** 0.075", [1.90mm]  
**Filler:** Fibrillated Polypropylene Filler  
**Binder:** Polyester tape, 50% Overlap  
**Braid:** 38AWG Tinned copper, 70% Minimum Coverage  
**Jacket Material:** PVDF (Kynar)  
**Jacket Thickness:** 0.020", [0.51mm]  
**Overall Diameter:** 0.240"±0.10"[6.10±0.25mm]  
**Jacket Color:** Black  
**Print Legend:**  
ASCENT 18AWG/4C 105C 300V GASOLINE AND OIL RESISTANT



**Color Code:** Black, White, Red, Blue

### ELECTRICAL CHARACTERISTICS

**Operating Temperature (°C):** 105°C  
**Operating Voltage:** 300V  
**Conductor Resistance@20°C:** 6.7 Ω/kft [22 Ohms/km] Nominal  
**Dielectric Test:** 2.0kV/1 min  
**Bend Radius:** 2" Minimum

### SAFETY CHARACTERISTICS

**Approvals:** Inner cores are compliant with AWM Style 10002 105°C 300V  
**RoHS Compliant**

**Application:** heat resistance, low permeability and high mechanical strength of Kynar® PVDF makes it strong candidate for the production, storage and transfer of highly corrosive fluids

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Revision History		
00	2025/05/14	Initial Release
01	2025/05/15	The binder overlap is updated to 50%
Created L. Jian      Approved T. Plochocki		

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