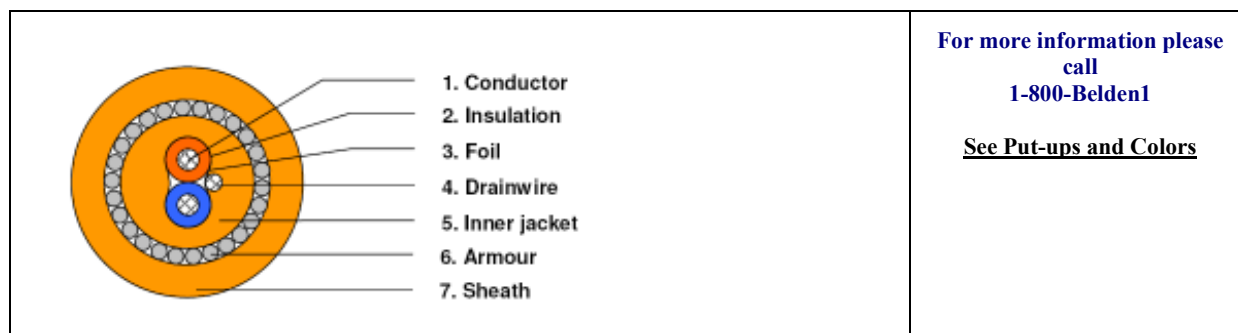


## YJ55176

## Foundation Fieldbus/Profibus PA Application Steel Wire Armored Cable, FRPVC



For more information please call  
1-800-Belden1  
See Put-ups and Colors

### DESCRIPTION:

18 AWG stranded (7x26) tinned copper conductors, polyolefin insulation, overall Beldfoil® shield, tinned copper drain wire, PVC inner-jacket, steel wire armor, FR PVC outer-jacket.

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR

Number of Pairs	1
Conductor Size	18 (7 X26) AWG
Conductor Material	TC – Tinned Copper

#### INSULATION

Insulation Material	PO - Polyolefin
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#### OVERALL SHIELD

Overall Shield Material	Beldfoil® Aluminum Foil - Polyester Tape
Individual & Overall Shield Coverage (%)	100%
Drain Wire Size & Stranding	20(7X28) AWG
Drain Wire Material	TC - Tinned Copper

#### INNER JACKET

Inner Jacket Material	PVC –Polyvinyl Chloride
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#### ARMOR

Armor type	Steel Wire Armor
Nom. Diameter of Wire	1.40 mm
Armoring standard	IS-1554 & IS-3975

#### OUTER JACKET:

Outer Jacket Material	FRPVC-Flame Retardant Polyvinyl Chloride
Nom. outer jacket thickness	1.35mm
Nom. Outer jacket Diameter	12.4 mm
Outer jacket standard	IS-5831-84

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### MECHANICAL CHARACTERISTICS:

Temperature Range	-20 °C To + 90°C
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### APPLICABLE SPECIFICATION AGENCY COMPLIANCE:

### APPLICABLE STANDARDS:

Applicable Standards	IS 8130, IS5831, IS3975
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### FLAME TEST:

Flame Retardant	IEC 60332-3-24
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### ELECTRICAL CHARACTERISTICS - CORE CABLE 3076F:

Max. Conductor DC Resistance @ 20°C	23.50 Ω/km
Max. Propagation Delay Change from 7.812 kHz to 39.06 kHz	1.7µ sec/km
Impedance @ 31.25KHz	100 +/- 20Ω
Max. Capacitance Unbalance	4 pF/m
Nom. Mutual Capacitance @ 1KHz	78pF/m
Nom. Capacitance Conductor to Shield @1KHz	147pF/m
Max. Attenuation @39KHz	3dB/km @ 39KHz
Voltage Rating	300V @ maximum temperature
Max. Current Rating	5.2 A

### PUT-UPS AND COLORS:

Item	Description	Put-Up (metre)	Jacket Color*
YJ55176 003<xxx>M	1 PAIR 18 AWG PVC/FRPVC SWA	TBA	Orange
YJ55176 006<xxx>M	1 PAIR 18 AWG PVC/FRPVC SWA	TBA	Blue

\* Other colors are available upon request.

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**YJ55176**

**Foundation Fieldbus/Profibus PA Application  
Steel Wire Armored Cable, FRPVC**

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.