

BEMS/BMS/HVAC Control Cables

Suitable for TREND System use

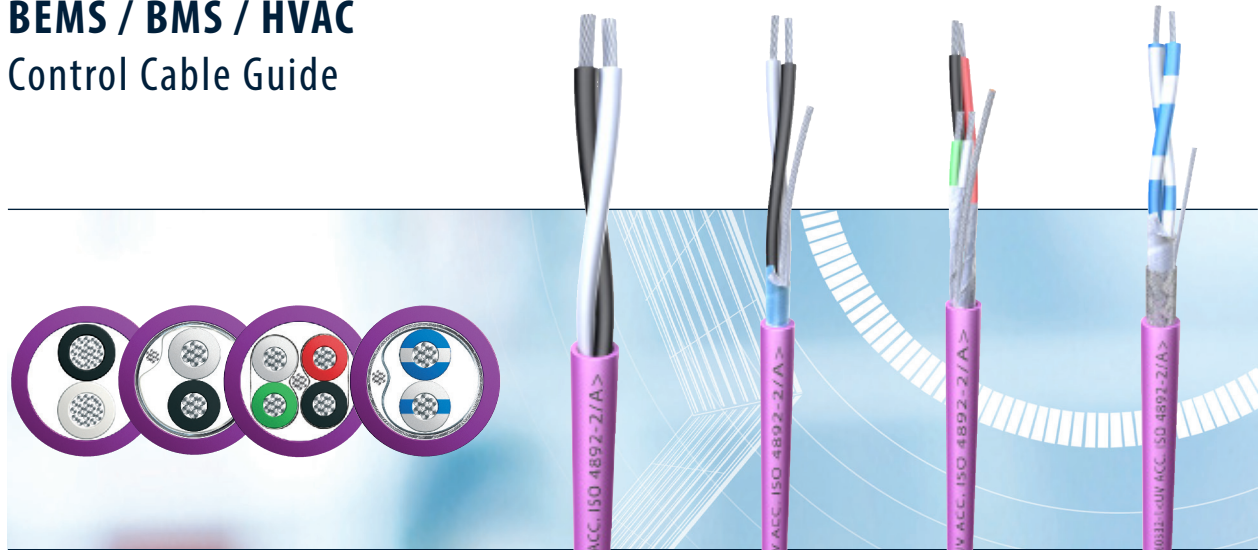
These standard FireFighter® cables have been modified for Trend system use, they have the usual FireFighter® 600v tray cable rating as well as a special UV stable LSZH sheath according to < ISO 4892-2/A > .

Features

- Violet sheath for ease of identification
- Flame retardant acc. to IEC 60332-1
- Halogen Free
- 600 V rating
- UV Stable Acc to ISO 4892-2/A



BEMS / BMS / HVAC Control Cable Guide



Part Number	4001P1644-09	4101P2224-09	4202P2234-09	4401P2454-09
Application	LonWorks™ Bus	Current Loop LAN Input/Output Wiring	Current Loop LAN	BACnet™ RS-485

Electrical Characteristics

Nom. Capacitance (cond./cond.)	<i>pF/m</i>	66,2	72,6	100	42
Nom. Capacitance (con./con./shield)	<i>pF/m</i>	-	140	180	75,5
Nom. Impedance:	<i>Ohm</i>	-	-	50	120
Nom. Velocity of Propagation:	<i>%</i>	-	-	-	67
Conductor DC Resistance:	<i>Ohm/km</i>	13,6	52,0	51,9	82
Shield DC Resistance:	<i>Ohm/km</i>	-	-	34,8	-
Nom. Inductance:	<i>μH/m</i>	0,56	-	-	0,56
Voltage Rating	<i>V</i>	600	600	600	600
Test Voltage : core / core	<i>Vdcx1min</i>	2000	2000	2000	2000
Test Voltage : core / screen	<i>Vdcx1min</i>	-	1000	1000	1000

Physical Characteristics

Temperature range (Static)	<i>°C</i>	-20 ~ +80	-20 ~ +80	-20 ~ +80	-20 ~ +80
Temperature range (Installation)	<i>°C</i>	-5 ~ +80	-5 ~ +80	-5 ~ +80	-5 ~ +80
Insulation material		LSZH FireFighter®	Polyethylene	Polypropylene	Polyethylene
Core diameter over insulation	<i>mm</i>	2,70	1,60	1,20	1,62
Screen type		Unscreened	Alulaminat tape	Alulaminat tape	Alulaminat tape
Braid		-	-	-	TCWB
Sheath material		LSZH FireFighter®	LSZH FireFighter®	LSZH FireFighter®	LSZH FireFighter®
Sheath radial thickness	<i>mm</i>	0,80 ± 0,10	0,70 ± 0,10	0,50 ± 0,10	0,70 ± 0,10
Overall diameter (approx.)	<i>mm</i>	6,70 ± 0,10	4,50 ± 0,10	4,40 ± 0,10	5,0 ± 0,10
Colour Code		■ □	■ □	■ ■ / □ ■	■ ■
Weight	<i>kg/km</i>	64	28	32	46