


LKSM-HF Armoured control and instrumentation cable 250 V



DESIGN:	STANDARDS:
	IEC 60092-376, design
1. Conductor - stranded copper conductor	IEC 60228, class 2
2. Insulation - XLPE plastic	IEC 60092-351
3. Bedding - separator tape	
4. Armour - copper wire braid, coverage > 90%	IEC 60092-350
5. Sheath - polyolefine plastic, SHF1 - standard colour grey, other colours on request	IEC 60092-359

Flame-retardant

Fire-resistant

Halogen-free

Low smoke emission

Application: For fixed installation in most areas and on open deck in ships. If the cable is exposed to direct sun light protective covering or cable with black outer sheath is recommended.

Main characteristics

Rated voltage	150/250V (300V)
Maximum conductor temperature	+ 90 °C
Flame-retardant	IEC 60332-1-2 -test for single insulated wire and cable IEC 60332-3-22 -test for bunched wires and cables, category A
Halogen-free	IEC 60754 series
Smoke emission	IEC 61034 series

Minimum recommended installation temperature -15 °C
Lowest operation temperature -40 °C


Core identification: black numbers on white base

Identification: Lot number, cable type, cable size, voltage, temperature, standards, production month, manufacturer's name and meter marking printed on the sheath

LKSM-HF 250V	Number of conductors & cross-section n x mm ²	Cross-section of screen mm ²	Nominal outer diameter mm	Approximate weight kg/km	Current rating A	Min. bending radius fixed installation mm
Part number						
26 402	2x0,75	3,6	7,5	90	11,3	45
26 403	3x0,75	3,6	8,0	105	9,8	50
26 404	4x0,75	3,6	9,0	125	8,9	55
26 405	5x0,75	4,1	9,5	145	8,3	60
26 407	7x0,75	4,1	10,0	165	7,4	60
26 410	10x0,75	5,1	12,5	220	6,6	75
26 412	12x0,75	5,3	12,5	245	6,2	75
26 414	14x0,75	5,6	13,0	270	5,9	80
26 416	16x0,75	11,4	14,5	355	5,6	90
26 419	19x0,75	8,7	15,0	360	5,3	90
26 424	24x0,75	11,7	17,0	460	4,9	105
26 427	27x0,75	11,7	17,5	490	4,7	105
26 432	32x0,75	11,8	18,0	545	4,5	110
26 437	37x0,75	11,9	20,0	620	4,3	120



RFE-HF Armoured instrumentation and communication cable 250V



DESIGN:	STANDARDS:
	IEC 60092-376, design
1. Conductor - stranded copper conductor	IEC 60228, class 2
2. Insulation - XLPE plastic	IEC 60092-351
3. Bedding - filler tape	
4. Armour - drain wire copper (in all sizes) - copper wire braid, coverage > 94%	IEC 60092-350
5. Sheath - polyolefine plastic, SHF1 - standard colour grey, other colours on request	IEC 60092-359

Flame-retardant

Fire-resistant

Halogen-free

Low smoke emission

Application: For fixed installation in most areas and on open deck in ships. If the cable is exposed to direct sun light protective covering or cable with black outer sheath is recommended.

Main characteristics

Rated voltage	150/250V (300V)
Maximum conductor temperature	+ 90 °C
Flame-retardant	IEC 60332-1-2 -test for single insulated wire and cable IEC 60332-3-22 -test for bunched wires and cables, category A
Halogen-free	IEC 60754 series
Smoke emission	IEC 61034 series

Electrical data:

	0,5mm ²	0,75mm ²	1,5mm ²	Unit
Loop resistance of pair, max. / +20°C	80	52	24,4	ohm/km
Pair capacitance, nom. / 800Hz	55	50	60	nF/km
Loop inductance, nom.	0,6	0,6	0,7	mH/km
Insulation resistance / +20°C	≥1500	≥1500	≥1500	Mohm*km.

Minimum recommended installation temperature -15 °C
Lowest operation temperature -40 °C

Identification: Lot number, cable type, cable size, voltage, temperature, standards, production month, manufacturer's name and meter marking printed on the sheath

RFE-HF 250V				
Part number	Number of conductors & cross-section n x mm²	Nominal outer diameter mm	Approximate weight kg/km	Min. bending radius fixed installation mm
20 362	1x2x0,5	7,5	80	45
20 364	2x2x0,5 (Quad)	8,0	100	45
20 366	4x2x0,5	12,0	170	75
20 368	7x2x0,5	13,5	245	85
20 369	8x2x0,5	15,0	265	90
20 370	10x2x0,5	16,5	350	100
20 371	12x2x0,5	17,0	390	105
20 372	14x2x0,5	19,0	440	115
20 374	19x2x0,5	21,5	545	130
20 376	24x2x0,5	24,0	665	145
20 378	37x2x0,5	28,5	930	175
20 382	1x2x0,75	8,0	95	50
20 384	2x2x0,75 (Quad)	8,5	125	55
20 386	4x2x0,75	13,0	215	80
20 388	7x2x0,75	15,0	330	90
20 389	8x2x0,75	16,5	375	100
20 390	10x2x0,75	18,0	440	110
20 391	12x2x0,75	19,5	490	120
20 392	14x2x0,75	21,0	565	130
20 394	19x2x0,75	23,0	715	140
20 396	24x2x0,75	25,5	860	155
20 490	1x2x1,5	10,0	135	60
20 491	2x2x1,5 (Quad)	11,5	190	70
20 493	4x2x1,5	16,5	375	100
20 494	7x2x1,5	19,5	545	120
20 495	8x2x1,5	22,0	625	135
20 496	10x2x1,5	24,5	760	150
20 497	12x2x1,5	26,0	855	160
20 498	14x2x1,5	27,5	960	165
20 499	19x2x1,5	31,5	1230	190

Twisted two pair cable on request.

20 363 2x2x0,5

20 383 2x2x0,75

20 492 2x2x1,5

Core identification

Each pair white - blue. Cores numbered 1, 2, 3, 4, 5....

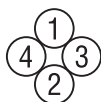
(Quad)cable is built up as a star quad with the following identification

1 core white


2 core blue

3 core white

4 core blue



RFE-HF (i) Armoured and pair screened instrumentation and communication cable 250V



DESIGN:	STANDARDS:
	IEC 60092-376, design
1. Conductor - stranded copper conductor	IEC 60228, class 2
2. Insulation - XLPE plastic	IEC 60092-351
3. Pair screen - plastic coated aluminium tape and a tinned copper drain wire	
4. Bedding - filler tape	
5. Armour - drain wire copper (in all sizes) - copper wire braid, coverage > 94%	IEC 60092-350
6. Sheath - polyolefine plastic, SHF1 - standard colour grey, other colours on request	IEC 60092-359

Flame-retardant

Fire-resistant

Halogen-free

Low smoke emission

Application: For fixed installation in most areas and on open deck in ships. If the cable is exposed to direct sun light protective covering or cable with black outer sheath is recommended.

Main characteristics

Rated voltage	150/250V (300V)
Maximum conductor temperature	+ 90 °C
Flame-retardant	IEC 60332-1-2 -test for single insulated wire and cable IEC 60332-3-22 -test for bunched wires and cables, category A
Halogen-free	IEC 60754 series
Smoke emission	IEC 61034 series

Electrical data:

Loop resistance of pair, max. / +20°C
 Pair capacitance, nom. / 800Hz
 Loop inductance, nom.
 Insulation resistance / +20°C

0,75mm ²	1,5mm ²	Unit
52	24,4	ohm/km
70	90	nF/km
0,6	0,7	mH/km
≥1500	≥1500	Mohm*km.

Minimum recommended installation temperature -15 °C
Lowest operation temperature -40 °C

Identification: Lot number, cable type, cable size, voltage, temperature, standards, production month, manufacturer's name and meter marking printed on the sheath

RFE-HF(i) 250V	Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Approximate weight kg/km	Min. bending radius fixed installation mm
Part number				
22 010	2x2x0,75	11,0	170	70
22 012	4x2x0,75	12,5	240	75
22 014	7x2x0,75	16,0	375	100
22 016	8x2x0,75	17,0	420	105
22 018	10x2x0,75	19,0	520	115
22 020	12x2x0,75	19,5	585	120
22 022	14x2x0,75	21,0	650	130
22 024	19x2x0,75	23,5	835	145
22 026	24x2x0,75	26,5	1035	160
22 054	2x2x1,5	14,0	255	85
22 056	4x2x1,5	17,0	415	105
22 058	7x2x1,5	20,5	610	125
22 060	8x2x1,5	21,5	700	130
22 062	10x2x1,5	24,5	855	150
22 064	12x2x1,5	25,5	965	155
22 066	14x2x1,5	27,5	1105	165
22 068	19x2x1,5	31,5	1440	190


Core identification

Each pair white - blue. Cores numbered 1, 2, 3, 4, 5....

The pairs are also covered by a numbered tape (1, 2, 3, 4, 5....)



RFA-HF Screened instrumentation and communication cable 250V



DESIGN:	STANDARDS:
	IEC 60092-376, design
1. Conductor - stranded copper conductor	IEC 60228, class 2
2. Insulation - XLPE plastic	IEC 60092-351
3. Separator - separator tape	
4. Screen - drain wire tinned copper - aluminium polyester copper tape coverage 100%	IEC 60092-350
5. Sheath - polyolefine plastic, SHF1 - standard colour grey, other colours on request	IEC 60092-359

Flame-retardant

Fire-resistant

Halogen-free

Low smoke emission

Application: For fixed installation in most areas and on open deck in ships, especially when lightweight cables are needed. If the cable is exposed to direct sun light protective covering or cable with black outer sheath is recommended.

Main characteristics

Rated voltage	150/250V (300V)
Maximum conductor temperature	+ 90 °C
Flame-retardant	IEC 60332-1-2 -test for single insulated wire and cable IEC 60332-3-22 -test for bunched wires and cables, category A
Halogen-free	IEC 60754 series
Smoke emission	IEC 61034 series

Electrical data

	0,5mm ²	0,75mm ²	Unit
Loop resistance of pair, max. / +20°C	80	52	ohm/km
Pair capacitance, nom. / 800Hz	55	50	nF/km
Loop inductance, nom.	0,6	0,6	mH/km
Insulation resistance / +20°C	≥1500	≥1500	Mohm*km.

Minimum recommended installation temperature -15 °C
Lowest operation temperature -40 °C

Identification: Lot number, cable type, cable size, voltage, temperature, standards, production month, manufacturer's name and meter marking printed on the sheath

RFA-HF 250V	Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Approximate weight kg/km	Min. bending radius fixed installation mm
Part number				
20 910	1x2x0,5	6,5	45	40
20 912	2x2x0,5 (Quad)	7,0	65	45
20 916	4x2x0,5	11,0	120	70
20 918	7x2x0,5	13,0	175	80
20 920	8x2x0,5	14,0	200	85
20 922	10x2x0,5	16,0	245	100
20 924	12x2x0,5	16,5	280	100
20 926	14x2x0,5	17,0	315	105
20 930	19x2x0,5	19,5	410	120
20 932	24x2x0,5	22,5	515	135
20 936	37x2x0,5	26,5	745	160
20 970	1x2x0,75	7,0	55	45
20 972	2x2x0,75 (Quad)	8,5	80	55
20 976	4x2x0,75	12,0	150	75
20 978	7x2x0,75	13,5	225	85
20 980	8x2x0,75	14,5	260	90
20 982	10x2x0,75	17,5	320	105
20 984	12x2x0,75	17,5	365	105
20 986	14x2x0,75	19,0	415	115
20 990	19x2x0,75	21,5	555	130
20 992	24x2x0,75	24,0	680	145

Twisted two pair cable on request.

20 914 2x2x0,5

20 974 2x2x0,75

Core identification


Each pair white - blue. Cores numbered 1, 2, 3, 4, 5....

(Quad)cable is built up as a star quad with the following identification

1 core white
2 core blue
3 core white
4 core blue



RFA-HF (i) Collectively and pair screened instrumentation and communication cable 250V



DESIGN:	STANDARDS:
	IEC 60092-376, design
1. Conductor - stranded copper conductor	IEC 60228, class 2
2. Insulation - XLPE plastic	IEC 60092-351
3. Pair screen - plastic coated aluminium tape and a tinned copper drain wire	
4. Bedding - separator tape	
5. Collective screen - drain wire tinned copper - aluminium polyester tape, coverage 100%	IEC 60092-350
6. Sheath - polyolefine plastic, SHF1 - standard colour grey, other colours on request	IEC 60092-359

Flame-retardant

Fire-resistant

Halogen-free

Low smoke emission

Application: For fixed installation in most areas and on open deck in ships, especially when lightweight cables are needed. If the cable is exposed to direct sun light protective covering or cable with black outer sheath is recommended.

Main characteristics

Rated voltage	150/250V (300V)
Maximum conductor temperature	+ 90 °C
Flame-retardant	IEC 60332-1-2 -test for single insulated wire and cable IEC 60332-3-22 -test for bunched wires and cables, category A
Halogen-free	IEC 60754 series
Smoke emission	IEC 61034 series

Electrical data

	0,5mm ²	0,75mm ²	Unit
Loop resistance of pair, max. / +20°C	80	52	ohm/km
Pair capacitance, nom.	55	70	nF/km
Loop inductance, nom.	0,6	0,6	mH/km
Insulation resistance / +20°C	≥1500	≥1500	Mohm*km

Minimum recommended installation temperature -15 °C

Lowest operation temperature -40 °C

Identification: Lot number, cable type, cable size, voltage, temperature, standards, production month, manufacturer's name and meter marking printed on the sheath

RFA-HF(i) 250V	Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Approximate weight kg/km	Min. bending radius fixed installation mm
Part number				
20 940	2x2x0,5	9,0	95	55
20 942	4x2x0,5	10,5	145	65
20 944	7x2x0,5	13,5	220	85
20 946	8x2x0,5	13,5	245	85
20 948	10x2x0,5	15,5	305	95
20 950	12x2x0,5	17,0	350	105
20 952	14x2x0,5	18,0	395	110
20 956	19x2x0,5	20,5	520	125
20 958	24x2x0,5	23,0	655	140
21 059	2x2x0,75	10,5	115	65
21 061	4x2x0,75	11,5	180	70
21 063	7x2x0,75	14,0	275	85
21 065	8x2x0,75	15,5	310	95
21 067	10x2x0,75	17,0	380	105
21 069	12x2x0,75	18,5	440	115
21 071	14x2x0,75	20,0	520	120
21 075	19x2x0,75	23,0	680	140
21 077	24x2x0,75	25,5	840	155

Other sizes on request.

Core identification


Each pair white - blue. Cores numbered 1, 2, 3, 4, 5....

The pairs are covered by a numbered tape (1, 2, 3, 4, 5....)



RFE-FRHF

Fire-resistant armoured instrumentation and communication cable 250V



DESIGN:	STANDARDS:
	IEC 60092-376, design
1. Conductor	
- stranded copper conductor	IEC 60228, class 2
2. Insulation	
- Mica tape - XLPE plastic	IEC 60092-351
3. Bedding	
- filler tape	
4. Armour	
- drain wire (in all sizes) - copper wire braid, coverage > 94%	IEC 60092-350
5. Sheath	
- polyolefine plastic, SHF1 - standard colour orange, other colours on request	IEC 60092-359

Flame-retardant ●

Fire-resistant ●

Halogen-free ●

Low smoke emission ●

Application: For fixed installation in most areas and on open deck in ships. If the cable is exposed to direct sun light protective covering or cable with black outer sheath is recommended.

Main characteristics

Rated voltage	150/250V (300V)
Maximum conductor temperature	+ 90 °C
Flame-retardant	IEC 60332-1-2 -test for single insulated wire and cable IEC 60332-3-22 -test for bunched wires and cables, category A
Fire-resistant	IEC 60331-21
Halogen-free	IEC 60754 series
Smoke emission	IEC 61034 series

Electrical data

	0,75mm ²	1,5mm ²	Unit
Loop resistance of pair, max. / +20°C	52	24,4	ohm/km
Pair capacitance, nom. / 800Hz	45	55	nF/km
Loop inductance, nom.	0,6	0,7	mH/km
Insulation resistance / +20°C	≥1500	≥1500	Mohm*km.

Minimum recommended installation temperature -15 °C

Lowest operation temperature -40 °C

Identification: Lot number, cable type, cable size, voltage, temperature, standards, production month, manufacturer's name and meter marking printed on the sheath

RFE-FRHF 250V	Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Approximate weight kg/km	Min. bending radius fixed installation mm
Part number				
20 520	1x2x0,75	9,5	120	60
20 522	2x2x0,75 (Quad)	11,0	160	70
20 526	4x2x0,75	17,0	325	105
20 528	7x2x0,75	19,5	460	120
20 530	8x2x0,75	21,5	505	130
20 532	10x2x0,75	24,0	630	145
20 534	12x2x0,75	25,5	705	155
20 536	14x2x0,75	27,5	800	165
20 538	19x2x0,75	31,5	1015	190
20 540	24x2x0,75	35,5	1245	215
20 575	1x2x1,5	11,0	155	70
20 577	2x2x1,5 (Quad)	12,5	220	75
20 581	4x2x1,5	18,5	430	115
20 583	7x2x1,5	23,0	650	140
20 585	8x2x1,5	24,5	715	150
20 587	10x2x1,5	27,0	875	165
20 589	12x2x1,5	29,5	1000	180
20 591	14x2x1,5	31,0	1125	190
20 595	19x2x1,5	35,5	1465	215

Twisted two pair cable on request.

20 524 2x2x0,75

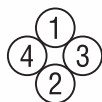
20 579 2x2x1,5

Core identification

Each pair white - blue. Cores numbered 1, 2, 3, 4, 5....

(Quad)cable is built up as a star quad with the following identification

1 core white
2 core blue
3 core white
4 core blue



RFE-FRHF (i) Fire-resistant armoured and pair screened instrumentation and communication cable 250V

DESIGN: **STANDARDS:**
IEC 60092-376, design

1. Conductor	- stranded copper conductor	IEC 60228, class 2
2. Insulation	- Mica tape - XLPE plastic	IEC 60092-351
3. Pair screen	- plastic coated aluminium tape and a tinned copper drain wire	
4. Bedding	- filler tape	
5. Armour	- drain wire copper - copper wire braid, coverage > 94%	IEC 60092-350
6. Sheath	- polyolefine plastic, SHF1 - standard colour orange, other colours on request	IEC 60092-359

Flame-retardant ●

Fire-resistant ●

Halogen-free ●

Low smoke emission ●

Application: For fixed installation in most areas and on open deck in ships. If the cable is exposed to direct sun light protective covering or cable with black outer sheath is recommended.

Main characteristics

Rated voltage	150/250V (300V)	
Maximum conductor temperature	+ 90 °C	
Flame-retardant	IEC 60332-1-2 IEC 60332-3-22	-test for single insulated wire and cable -test for bunched wires and cables, category A
Fire-resistant	IEC 60331-21	
Halogen-free	IEC 60754 series	
Smoke emission	IEC 61034 series	

Electrical data

	0,75mm ²	1,5mm ²	Unit
Loop resistance of pair, max. / +20°C	52	24,4	ohm/km
Pair capacitance, nom. / 800Hz	55	75	nF/km
Loop inductance, nom.	0,6	0,7	mH/km
Insulation resistance / +20°C	≥1500	≥1500	Mohm*km.

Minimum recommended installation temperature -15 °C
Lowest operation temperature -40 °C

Identification: Lot number, cable type, cable size, voltage, temperature, standards, production month, manufacturer's name and meter marking printed on the sheath

RFE-FRHF(i) 250V	Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Approximate weight kg/km	Min. bending radius fixed installation mm
Part number				
20 550	2x2x0,75	14,0	225	85
20 552	4x2x0,75	17,0	355	105
20 554	7x2x0,75	20,0	515	130
20 556	8x2x0,75	22,0	585	135
20 558	10x2x0,75	24,5	710	150
20 560	12x2x0,75	26,0	800	160
20 562	14x2x0,75	27,5	910	175
20 564	19x2x0,75	31,5	1175	195
20 566	24x2x0,75	35,0	1425	220
20 605	2x2x1,5	16,5	320	105
20 607	4x2x1,5	19,0	475	115
20 609	7x2x1,5	23,0	720	140
20 611	8x2x1,5	24,5	810	150
20 613	10x2x1,5	28,0	985	185
20 615	12x2x1,5	29,5	1145	195
20 617	14x2x1,5	31,5	1295	205
20 621	19x2x1,5	35,5	1665	235

Core identification


Each pair white - blue. Cores numbered 1, 2, 3, 4, 5....

The pairs are also covered by a numbered tape (1, 2, 3, 4, 5....)



RFA-FRHF

Fire-resistant screened instrumentation and communication cable 250V



DESIGN:	STANDARDS:
	IEC 60092-376, design
1. Conductor - stranded copper conductor	IEC 60228, class 2
2. Insulation - Mica tape - XLPE plastic	IEC 60092-351
3. Bedding - separator tape	
4. Screen - drain wire tinned copper - aluminium polyester tape coverage 100%	IEC 60092-350
5. Sheath - polyolefine plastic, SHF1 - standard colour orange, other colours on request	IEC 60092-359

Flame-retardant ●

Fire-resistant ●

Halogen-free ●

Low smoke emission ●

Application: For fixed installation in most areas and on open deck in ships. If the cable is exposed to direct sun light protective covering or cable with black outer sheath is recommended.

Main characteristics

Rated voltage	150/250V (300V)	
Maximum conductor temperature	+ 90 °C	
Flame-retardant	IEC 60332-1-2 IEC 60332-3-22	-test for single insulated wire and cable -test for bunched wires and cables, category A
Fire-resistant	IEC 60331-21	
Halogen-free	IEC 60754 series	
Smoke emission	IEC 61034 series	
For details see general information section		

Electrical data

	0,75mm ²	Unit
Loop resistance of pair, max. / +20°C	52	ohm/km
Pair capacitance, nom. / 800Hz	45	nF/km
Loop inductance, nom.	0,6	mH/km
Insulation resistance / +20°C	≥1500	Mohm*km.

Minimum recommended installation temperature -15 °C
Lowest operation temperature -40 °C

Identification: Lot number, cable type, cable size, voltage, temperature, standards, production month, manufacturer's name and meter marking printed on the sheath

RFA-FRHF 250V	Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Approximate weight kg/km	Min. bending radius fixed installation mm
Part number				
20 635	1x2x0,75	8,0	75	50
20 637	2x2x0,75 (Quad)	9,5	120	60
20 641	4x2x0,75	15,0	215	90
20 643	7x2x0,75	18,0	330	110
20 645	8x2x0,75	19,5	380	120
20 647	10x2x0,75	22,5	480	135
20 649	12x2x0,75	24,5	545	150
20 651	14x2x0,75	26,0	620	160
20 655	19x2x0,75	30,0	805	180
20 657	24x2x0,75	33,0	1030	200

Twisted two pair cable on request.

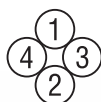
20 639 2x2x0,75

Core identification

Each pair white - blue. Cores numbered 1, 2, 3, 4, 5....

(Quad)cable is built up as a star quad with the following identification

1 core white
2 core blue
3 core white
4 core blue



RFA-FRHF (i) Fire-resistant collectively and pair screened instrumentation and communication cable 250V

DESIGN:

STANDARDS:
IEC 60092-376, design

1. Conductor	- stranded copper conductor	IEC 60228, class 2
2. Insulation	- Mica tape - XLPE plastic	IEC 60092-351
3. Pair screen	- plastic coated aluminium tape and a tinned copper drain wire	
4. Bedding	- separator tape	
5. Collective screen	- drain wire tinned copper - aluminium polyester tape coverage 100 %	IEC 60092-350
6. Sheath	- polyolefine plastic, SHF1 - standard colour orange, other colours on request	IEC 60092-359

Flame-retardant ●

Fire-resistant ●

Halogen-free ●

Low smoke emission ●

Application: For fixed installation in most areas and on open deck in ships. If the cable is exposed to direct sun light protective covering or cable with black outer sheath is recommended.

Main characteristics

Rated voltage	150/250V (300V)	
Maximum conductor temperature	+ 90 °C	
Flame-retardant	IEC 60332-1-2 IEC 60332-3-22	-test for single insulated wire and cable -test for bunched wires and cables, category A
Fire-resistant	IEC 60331-21	
Halogen-free	IEC 60754 series	
Smoke emission	IEC 61034 series	
For details see general information section		

Electrical data

	0,75mm ²	Unit
Loop resistance of pair, max. / +20°C	52	ohm/km
Pair capacitance, nom. / 800Hz	55	nF/km
Loop inductance, nom.	0,6	mH/km
Insulation resistance / +20°C	≥1500	Mohm*km.

Minimum recommended installation temperature -15 °C
Lowest operation temperature -40 °C

Identification: Lot number, cable type, cable size, voltage, temperature, standards, production month, manufacturer's name and meter marking printed on the sheath

RFA-FRHF(i) 250V		Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Approximate weight kg/km	Min. bending radius fixed installation mm
Part number					
20 667		2x2x0,75	13,0	155	80
20 669		4x2x0,75	15,5	245	95
20 671		7x2x0,75	19,0	380	115
20 673		8x2x0,75	20,5	430	125
20 675		10x2x0,75	23,0	545	140
20 677		12x2x0,75	24,0	625	145
20 679		14x2x0,75	26,5	725	160
20 683		19x2x0,75	30,5	945	185
20 685		24x2x0,75	34,0	1205	205

Core identification

Each pair white - blue. Cores numbered 1, 2, 3, 4, 5....

The pairs are also covered by a numbered tape (1, 2, 3, 4, 5....)



PBS Field bus cable

60V

DESIGN:
Twisted pair cable

STANDARDS:
EN 50170

1. Conductor
- stranded copper conductor

2. Insulation
- Polyethylene / foamed polyethylene plastic

3. Pair twisting

4. Bedding
- separator tape

5. Screen
- plastic coated aluminium tape and tinned copper braid, coverage 100%

6. Sheath
- purple, polyolefine plastic

7. Outer sheath
- grey polyolefine plastic, SHF1

Flame-retardant

Fire-resistant

Halogen-free

Low smoke emission

Application: For fixed installation in most areas.
If the cable is exposed to direct sun light protective covering or cable with black outer sheath is recommended.

Main characteristics

Rated voltage	60V
Maximum conductor temperature	+ 90 °C
Flame-retardant	IEC 60332-1-2 -test for single insulated wire and cable IEC 60332-3-22 -test for bunched wires and cables, category A
Halogen-free	IEC 60754 series
Smoke emission	IEC 61034 series

Identification: Lot number, cable type, cable size, voltage, temperature, standards, production month, manufacturer's name and meter marking printed on the sheath

Core identification

Each pair green - red.

PBS

Part number	Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Approximate weight kg/km	Min. bending radius fixed installation mm
20 506	1 x 2 x 0,34	10,5	145	65



Cable for PROFIBUS DP.

The cable has been tested according to the IEC 61158 specification and testing guidelines set by PROFIBUS Center Nederland. Cable is approved as type A cable.

Compatible with the connector of Siemens (6ES7-972-0BA12 OXA0 or similar) after stripping the outer sheath.

Type A bus cable. Maximum length of each bus segment.					
Data transfer rate in kbit/s	9.6 – 93.75	187.5	500	1500	3000 – 12000
Max. segment length in m	1200	1000	400	200	100

