

## Test Result - Control Cable

### Test Summary-PASS

2 Core foil shielded 18 AWG stranded (07x26) , PVC- Grey 305m/Roll			Date	04.10.23		
			Report No	W313 / 001		
Part number	T.04.CC.02.FS.18.T-07X26.P.G.3		Length	21350m		
Ref.Standard	Ref. Std. TS 13755/VDE 0812					
Routine Tests	Test Standard	Unit	Required Value	Measured Value	Result	
Core Coding	TDS Table 1		Black-Red	Black-Red	O.K	
Conductor Resistance (20 °C)	TS EN 60228	Ohm/Km	21.32	20.25	O.K	
Diameter of Wires In Conductor	TS EN 60228	mm	7x0.40	7x0.40	O.K	
Insulation Thickness	Ref. Std. TS 13755/VDE 0812	nom.mm	0.20	0.22	O.K	
Metalic Screen (Drain wire / Al-Pet tape)	Ref. Std. TS 13755/VDE 0812	mm	7x0.20 / 15x0.035	7x0.20 / 15x0.035	O.K	
Outer Sheath Thickness	Ref. Std. TS 13755/VDE 0812	mm	0.50	0.49	O.K	
Outer Sheath Diameter	Ref. Std. TS 13755/VDE 0812	mm	4.30± 10%	4.15	O.K	
Marking	Ref. Std. TS 13755/VDE 0812		OK	OK	O.K	
Type Tests						
Outer Sheath	Tensile Strength (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	17.70	O.K
	Elongation at Break (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	222%	O.K
	Tensile Strength (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	16.25	O.K
	Elongation at Break (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	195%	O.K
	Tensile Strength Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-8.92%	O.K
	Elongation at Break Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-13.85%	O.K
	Pressure Test at High Temperature	TS EN 60811-508	max.	50%	29%	O.K
	Hot Set	TS EN 60811-509		No Crack	No Crack	O.K
	Cold Bending	TS EN 60811-504		No Crack	No Crack	O.K
	Mass Loss	TS EN 60811-409	max .mg/cm <sup>3</sup>	2.0	1.13	O.K
	Vertical Flame Propagation	TS EN 60332-1-2	mm	L1 > 50 L2 < 540	380 /480	O.K
	Mutual Capacity	Ref. Std. TS 13755/VDE 0812	nF/km	C/C:173.89	136	O.K
Notes :						

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## Test Result - Control Cable

### Test Summary-PASS

<b>2 core foil shielded 18 AWG stranded (07x26), PVC- Grey 100m/Roll</b>			Date	04.10.23		
			Report No	W313 / 002		
Part number	T.04.CC.02.FS.18.T-07X26.P.G.1		Length	4000m		
Ref.Standard	Ref. Std. TS 13755/VDE 0812					
Routine Tests		Test Standard	Unit	Required Value	Measured Value	Result
Core Coding		TDS Table 1		Black-Red	Black-Red	O.K
Conductor Resistance (20 °C)		TS EN 60228	Ohm/Km	21.32	20.28	O.K
Diameter of Wires In Conductor		TS EN 60228	mm	7x0.40	7x0.40	O.K
Insulation Thickness		Ref. Std. TS 13755/VDE 0812	nom.mm	0.20	0.21	O.K
Metalic Screen (Drain wire / Al-Pet tape)		Ref. Std. TS 13755/VDE 0812	mm	7x0.20 / 15x0.035	7x0.20 / 15x0.035	O.K
Outer Sheath Thickness		Ref. Std. TS 13755/VDE 0812	mm	0.50	0.49	O.K
Outer Sheath Diameter		Ref. Std. TS 13755/VDE 0812	mm	4.30± 10%	4.20	O.K
Marking		Ref. Std. TS 13755/VDE 0812		OK	OK	O.K
Type Tests						
Outer Sheath	Tensile Strength (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	17.72	O.K
	Elongation at Break (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	223%	O.K
	Tensile Strength (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	16.27	O.K
	Elongation at Break (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	198%	O.K
	Tensile Strength Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-8.91%	O.K
	Elongation at Break Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-12.63%	O.K
	Pressure Test at High Temperature	TS EN 60811-508	max.	50%	29%	O.K
	Hot Set	TS EN 60811-509		No Crack	No Crack	O.K
	Cold Bending	TS EN 60811-504		No Crack	No Crack	O.K
	Mass Loss	TS EN 60811-409	max .mg/cm <sup>3</sup>	2.0	1.12	O.K
	Vertical Flame Propagation	TS EN 60332-1-2	mm	L1 > 50 L2 < 540	380 /480	O.K
	Mutual Capacity	Ref. Std. TS 13755/VDE 0812	nF/km	C/C:173.89	136	O.K
Notes :						

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## Test Result - Control Cable

Test Summary-PASS 

<b>2 core foil shielded 16 AWG stranded (19x29), PVC- Grey 305m/Roll</b>			Date	04.10.23		
			Report No	W313 / 003		
Part number	T.04.CC.02.FS.16.T-19X29.P.G.3		Length	15468m		
Ref.Standard	Ref. Std. TS 13755/VDE 0812					
<b>Routine Tests</b>	<b>Test Standard</b>	<b>Unit</b>	<b>Required Value</b>	<b>Measured Value</b>	<b>Result</b>	
Core Coding	TDS Table 1		Black-Red	Black-Red	O.K	
Conductor Resistance (20 °C)	TS EN 60228	Ohm/Km	13.12	12.95	O.K	
Diameter of Wires In Conductor	TS EN 60228	mm	19x0.30	19x0.30	O.K	
Insulation Thickness	Ref. Std. TS 13755/VDE 0812	nom.mm	0.20	0.22	O.K	
Metalic Screen (Drain wire / Al-Pet tape)	Ref. Std. TS 13755/VDE 0812	mm	7x0.20 / 17x0.035	7x0.20 / 17x0.035	O.K	
Outer Sheath Thickness	Ref. Std. TS 13755/VDE 0812	mm	0.50	0.57	O.K	
Outer Sheath Diameter	Ref. Std. TS 13755/VDE 0812	mm	4.95± 10%	4.80	O.K	
Marking	Ref. Std. TS 13755/VDE 0812		OK	OK	O.K	
<b>Type Tests</b>						
<b>Outer Sheath</b>	Tensile Strength (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	17.55	O.K
	Elongation at Break (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	222%	O.K
	Tensile Strength (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	16.31	O.K
	Elongation at Break (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	199%	O.K
	Tensile Strength Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-7.60%	O.K
	Elongation at Break Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-11.56%	O.K
	Pressure Test at High Temperature	TS EN 60811-508	max.	50%	30%	O.K
	Hot Set	TS EN 60811-509		No Crack	No Crack	O.K
	Cold Bending	TS EN 60811-504		No Crack	No Crack	O.K
	Mass Loss	TS EN 60811-409	max .mg/cm <sup>3</sup>	2.0	1.11	O.K
	Vertical Flame Propagation	TS EN 60332-1-2	mm	L1 > 50 L2 < 540	375 / 480	O.K
Mutual Capacity	Ref. Std. TS 13755/VDE 0812	nF/km	C/C:190.3	170	O.K	
Notes :						

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## Test Result - Control Cable

### Test Summary-PASS

<b>2 Core unshielded 16 AWG stranded (19x29), PVC- Grey 305m/Roll</b>			Date	04.10.23		
			Report No	W313 / 004		
Part number	T.04.CC.02.US.16.T-19X29.P.G.3		Length	7320m		
Ref.Standard	Ref. Std. TS 13755/VDE 0812					
<b>Routine Tests</b>	<b>Test Standard</b>	<b>Unit</b>	<b>Required Value</b>	<b>Measured Value</b>	<b>Result</b>	
Core Coding	TDS Table 1		Black-Red	Black-Red	O.K	
Conductor Resistance (20 °C)	TS EN 60228	Ohm/Km	13.12	12.95	O.K	
Diameter of Wires In Conductor	TS EN 60228	mm	19x0.30	19x0.30	O.K	
Insulation Thickness	Ref. Std. TS 13755/VDE 0812	nom.mm	0.20	0.22	O.K	
Outer Sheath Thickness	Ref. Std. TS 13755/VDE 0812	mm	0.50	0.63	O.K	
Outer Sheath Diameter	Ref. Std. TS 13755/VDE 0812	mm	4.85± 10%	5.00	O.K	
Marking	Ref. Std. TS 13755/VDE 0812		OK	OK	O.K	
<b>Type Tests</b>						
<b>Outer Sheath</b>	Tensile Strength (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	17.52	O.K
	Elongation at Break (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	221%	O.K
	Tensile Strength (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	16.35	O.K
	Elongation at Break (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	202%	O.K
	Tensile Strength Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-7.16%	O.K
	Elongation at Break Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-9.41%	O.K
	Pressure Test at High Temperature	TS EN 60811-508	max.	50%	29%	O.K
	Hot Set	TS EN 60811-509		No Crack	No Crack	O.K
	Cold Bending	TS EN 60811-504		No Crack	No Crack	O.K
	Mass Loss	TS EN 60811-409	max .mg/cm <sup>3</sup>	2.0	1.13	O.K
	Vertical Flame Propagation	TS EN 60332-1-2	mm	L1 > 50 L2 < 540	380 / 480	O.K
Mutual Capacity	Ref. Std. TS 13755/VDE 0812	nF/km	C/C:75.463	51	O.K	
Notes :						

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## Test Result - Control Cable

### Test Summary-PASS

<b>3 core foil shielded 16 AWG stranded (19x29), PVC- Grey 305m/Roll</b>			Date	04.10.23		
			Report No	W313 / 005		
Part number	T.04.CC.03.FS.16.T-19X29.P.G.3		Length	2915m		
Ref.Standard	Ref. Std. TS 13755/VDE 0812					
Routine Tests		Test Standard	Unit	Required Value	Measured Value	Result
Core Coding		TDS Table 1		Black-Red-White	Black-Red-White	O.K
Conductor Resistance (20 °C)		TS EN 60228	Ohm/Km	13.12	12.99	O.K
Diameter of Wires In Conductor		TS EN 60228	mm	19x0.30	19x0.30	O.K
Insulation Thickness		Ref. Std. TS 13755/VDE 0812	nom.mm	0.20	0.21	O.K
Metalic Screen (Drain wire / Al-Pet tape)		Ref. Std. TS 13755/VDE 0812	mm	7x0.20 / 17x0.035	7x0.20 / 17x0.035	O.K
Outer Sheath Thickness		Ref. Std. TS 13755/VDE 0812	mm	0.50	0.49	O.K
Outer Sheath Diameter		Ref. Std. TS 13755/VDE 0812	mm	5.35± 10%	5.10	O.K
Marking		Ref. Std. TS 13755/VDE 0812		OK	OK	O.K
Type Tests						
Outer Sheath	Tensile Strength (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	17.60	O.K
	Elongation at Break (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	225%	O.K
	Tensile Strength (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	16.30	O.K
	Elongation at Break (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	200%	O.K
	Tensile Strength Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-7.98%	O.K
	Elongation at Break Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-12.50%	O.K
	Pressure Test at High Temperature	TS EN 60811-508	max.	50%	30%	O.K
	Hot Set	TS EN 60811-509		No Crack	No Crack	O.K
	Cold Bending	TS EN 60811-504		No Crack	No Crack	O.K
	Mass Loss	TS EN 60811-409	max .mg/cm <sup>3</sup>	2.0	1.13	O.K
	Vertical Flame Propagation	TS EN 60332-1-2	mm	L1 > 50 L2 < 540	380 / 480	O.K
	Mutual Capacity	Ref. Std. TS 13755/VDE 0812	nF/km	C/C:190.3	101	O.K
Notes :						

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## Test Result - Control Cable

Test Summary-PASS 

<b>4 core foil shielded 24 AWG stranded (07x32), PVC- Grey 100m/Roll</b>			Date	04.10.23		
			Report No	W313 / 006		
Part number	T.04.CC.04.FS.24.T-07X32.P.G.1		Length	20300m		
Ref.Standard	Ref. Std. TS 13755/VDE 0812					
<b>Routine Tests</b>	<b>Test Standard</b>	<b>Unit</b>	<b>Required Value</b>	<b>Measured Value</b>	<b>Result</b>	
Core Coding	DIN 47100		OK	OK	O.K	
Conductor Resistance (20 °C)	TS EN 60228	Ohm/Km	93.00	85.60	O.K	
Diameter of Wires In Conductor	TS EN 60228	mm	7x0.20	7x0.20	O.K	
Insulation Thickness	Ref. Std. TS 13755/VDE 0812	nom.mm	0.30	0.31	O.K	
Metalic Screen (Drain wire / Al-Pet tape)	Ref. Std. TS 13755/VDE 0812	mm	7x0.20 / 12x0.035	7x0.20 / 12x0.035	O.K	
Outer Sheath Thickness	Ref. Std. TS 13755/VDE 0812	mm	0.60	0.58	O.K	
Outer Sheath Diameter	Ref. Std. TS 13755/VDE 0812	mm	4.40± 10%	4.35	O.K	
Marking	Ref. Std. TS 13755/VDE 0812		OK	OK	O.K	
<b>Type Tests</b>						
<b>Insulation</b>	Tensile Strength (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	16.35	O.K
	Elongation at Break (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	205%	O.K
	Tensile Strength (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	15.5	O.K
	Elongation at Break (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	187%	O.K
	Tensile Strength Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-7.21%	O.K
	Elongation at Break Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-9.63%	O.K
	Pressure Test at High Temperature	TS EN 60811-508	max.	50%	26%	O.K
	Hot Set	TS EN 60811-509		No Crack	No Crack	O.K
	Cold Bending	TS EN 60811-504		No Crack	No Crack	O.K
	Shrinkage	TS EN 60811-502	max.	4%	3.50%	O.K
	Mass Loss	TS EN 60811-409	max .mg/cm <sup>3</sup>	2.0	0.29	O.K

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Outer Sheath	Tensile Strength (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	17.58	O.K
	Elongation at Break (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	228%	O.K
	Tensile Strength (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	16.25	O.K
	Elongation at Break (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	209%	O.K
	Tensile Strength Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-8.18%	O.K
	Elongation at Break Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-9.09%	O.K
	Pressure Test at High Temperature	TS EN 60811-508	max.	50%	30%	O.K
	Hot Set	TS EN 60811-509		No Crack	No Crack	O.K
	Cold Bending	TS EN 60811-504		No Crack	No Crack	O.K
	Mass Loss	TS EN 60811-409	max .mg/cm <sup>3</sup>	2.0	1.14	O.K
	Vertical Flame Propagation	TS EN 60332-1-2	mm	L1 > 50 L2 < 540	375 / 485	O.K
Mutual Capacity	Ref. Std. TS 13755/VDE 0812	nF/km	C/C: 120	112	O.K	
Notes :						

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## Test Result - Control Cable

Test Summary-PASS 

<b>4 Pair foil shielded 24 AWG stranded (07x32), PVC- Grey 305/Roll</b>			Date	04.10.23		
			Report No	W313 / 007		
Part number	T.04.CC.4P.FS.24.T-07X32.P.G.3		Length	2623m		
Ref.Standard	Ref. Std. TS 13755/VDE 0812					
<b>Routine Tests</b>	<b>Test Standard</b>	<b>Unit</b>	<b>Required Value</b>	<b>Measured Value</b>	<b>Result</b>	
Core Coding			Black-White-Green-Blue-Red	Black-White-Green-Blue-Red	O.K	
Conductor Resistance (20 °C)	TS EN 60228	Ohm/Km	93.00	87.52	O.K	
Diameter of Wires In Conductor	TS EN 60228	mm	7x0.20	7x0.20	O.K	
Insulation Thickness	Ref. Std. TS 13755/VDE 0812	mm	0.30	0.30	O.K	
Metalic Screen	Ref. Std. TS 13755/VDE 0812	%	17x0.035 mm	17x0.035 mm	O.K	
Outer Sheath Thickness	Ref. Std. TS 13755/VDE 0812	max.mm	1.40	1.02	O.K	
Outer Sheath Diameter	Ref. Std. TS 13755/VDE 0812	mm	6.60± 10%	6.85	O.K	
Marking	Ref. Std. TS 13755/VDE 0812		OK	OK	O.K	
<b>Type Tests</b>						
<b>Insulation</b>	Tensile Strength (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	16.60	O.K
	Elongation at Break (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	202%	O.K
	Tensile Strength (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	15.25	O.K
	Elongation at Break (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	188%	O.K
	Tensile Strength Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-8.85%	O.K
	Elongation at Break Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-7.45%	O.K
	Pressure Test at High Temperature	TS EN 60811-508	max.	50%	29%	O.K
	Hot Set	TS EN 60811-509		No Crack	No Crack	O.K
	Cold Bending	TS EN 60811-504		No Crack	No Crack	O.K
	Shrinkage	TS EN 60811-502	max.	4%	3.00%	O.K
	Mass Loss	TS EN 60811-409	max .mg/cm <sup>3</sup>	2.0	0.29	O.K

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Outer Sheath	Tensile Strength (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	17.80	O.K
	Elongation at Break (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	229%	O.K
	Tensile Strength (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	16.10	O.K
	Elongation at Break (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	215%	O.K
	Tensile Strength Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-10.56%	O.K
	Elongation at Break Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-6.51%	O.K
	Pressure Test at High Temperature	TS EN 60811-508	max.	50%	26%	O.K
	Hot Set	TS EN 60811-509		No Crack	No Crack	O.K
	Cold Bending	TS EN 60811-504		No Crack	No Crack	O.K
	Mass Loss	TS EN 60811-409	max .mg/cm <sup>3</sup>	2.0	1.14	O.K
	Vertical Flame Propagation	TS EN 60332-1-2	mm	L1 > 50 L2 < 540	385 / 485	O.K
Mutual Capacity	Ref. Std. TS 13755/VDE 0812	nF/km	120	115	O.K	
High Voltage	TS EN 50395	1,2kV AC 1m	Passed	Passed	O.K	
Notes :						

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# Test Result - Control Cable

Test Summary-PASS 

<b>3 core foil shielded 18 AWG stranded (07x26) , PVC- Grey 305m/Roll</b>			Date	04.10.23		
			Report No	W313 / 008		
Part number	T.04.CC.03.FS.18.T-07X26.P.G.3		Length	6990m		
Ref.Standard	Ref. Std. TS 13755/VDE 0812					
<b>Routine Tests</b>	<b>Test Standard</b>	<b>Unit</b>	<b>Required Value</b>	<b>Measured Value</b>	<b>Result</b>	
Core Coding	TDS Table 1		Black-Red-White	Black-Red-White	O.K	
Conductor Resistance (20 °C)	TS EN 60228	Ohm/Km	21.32	20.31	O.K	
Diameter of Wires In Conductor	TS EN 60228	mm	7x0.40	7x0.40	O.K	
Insulation Thickness	Ref. Std. TS 13755/VDE 0812	nom.mm	0.20	0.21	O.K	
Metalic Screen (Drain wire / Al-Pet tape)	Ref. Std. TS 13755/VDE 0812	mm	7x0.20 / 17x0.035	7x0.20 / 17x0.035	O.K	
Outer Sheath Thickness	Ref. Std. TS 13755/VDE 0812	mm	0.50	0.50	O.K	
Outer Sheath Diameter	Ref. Std. TS 13755/VDE 0812	mm	4.55± 10%	4.40	O.K	
Marking	Ref. Std. TS 13755/VDE 0812		OK	OK	O.K	
<b>Type Tests</b>						
<b>Outer Sheath</b>	Tensile Strength (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	17.60	O.K
	Elongation at Break (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	225%	O.K
	Tensile Strength (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	16.35	O.K
	Elongation at Break (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	202%	O.K
	Tensile Strength Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-7.65%	O.K
	Elongation at Break Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-11.39%	O.K
	Pressure Test at High Temperature	TS EN 60811-508	max.	50%	30%	O.K
	Hot Set	TS EN 60811-509		No Crack	No Crack	O.K
	Cold Bending	TS EN 60811-504		No Crack	No Crack	O.K
	Mass Loss	TS EN 60811-409	max .mg/cm <sup>3</sup>	2.0	1.13	O.K
	Vertical Flame Propagation	TS EN 60332-1-2	mm	L1 > 50 L2 < 540	390 /475	O.K
Mutual Capacity	Ref. Std. TS 13755/VDE 0812	nF/km	C/C:118.12	80	O.K	
Notes :						

\*Specifications are subject to change without notice based on technical recommendations and related product enhancements

## Test Result - Control Cable

### Test Summary-PASS

<b>4 core foil shielded 22 AWG stranded (07x30) , PVC- Grey 305m/Roll</b>				Date	04.10.23	
				Report No	W313 / 009	
Part number	T.04.CC.04.FS.22.T-07X30.P.G.3			Length	7625m	
Ref.Standard	Ref. Std. TS 13755/VDE 0812					
Routine Tests	Test Standard	Unit	Required Value	Measured Value	Result	
Core Coding	TDS Table 1		Black-Red-White-Green	Black-Red-White-Green	O.K	
Conductor Resistance (20 °C)	TS EN 60228	Ohm/Km	53.81	51.30	O.K	
Diameter of Wires In Conductor	TS EN 60228	mm	7x0.25	7x0.25	O.K	
Insulation Thickness	Ref. Std. TS 13755/VDE 0812	nom.mm	0.20	0.21	O.K	
Metalic Screen (Drain wire / Al-Pet tape)	Ref. Std. TS 13755/VDE 0812	mm	7x0.20 / 12x0.024	7x0.20 / 12x0.024	O.K	
Outer Sheath Thickness	Ref. Std. TS 13755/VDE 0812	mm	0.50	0.52	O.K	
Outer Sheath Diameter	Ref. Std. TS 13755/VDE 0812	mm	3.85± 10%	3.90	O.K	
Marking	Ref. Std. TS 13755/VDE 0812		OK	OK	O.K	
Type Tests						
Outer Sheath	Tensile Strength (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	17.68	O.K
	Elongation at Break (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	237%	O.K
	Tensile Strength (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	16.35	O.K
	Elongation at Break (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	209%	O.K
	Tensile Strength Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-8.13%	O.K
	Elongation at Break Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-13.40%	O.K
	Pressure Test at High Temperature	TS EN 60811-508	max.	50%	29%	O.K
	Hot Set	TS EN 60811-509		No Crack	No Crack	O.K
	Cold Bending	TS EN 60811-504		No Crack	No Crack	O.K
	Mass Loss	TS EN 60811-409	max .mg/cm <sup>3</sup>	2.0	1.13	O.K
Vertical Flame Propagation	TS EN 60332-1-2	mm	L1 > 50 L2 < 540	380 / 480	O.K	
Mutual Capacity	Ref. Std. TS 13755/VDE 0812	nF/km	C/C: 73.823	62	O.K	
Notes :						

\*Specifications are subject to change without notice based on technical recommendations and related product enhancements

# Test Result - Control Cable

## Test Summary-PASS

4 core foil shielded 18 AWG stranded (07x26) , PVC- Grey 305m/Roll			Date	04.10.23		
			Report No	W313 / 010		
Part number	T.04.CC.04.FS.18.T-07X26.P.G.3		Length	12011m		
Ref.Standard	Ref. Std. TS 13755/VDE 0812					
Routine Tests	Test Standard	Unit	Required Value	Measured Value	Result	
Core Coding	TDS Table 1		Black-Red-White-Green	Black-Red-White-Green	O.K	
Conductor Resistance (20 °C)	TS EN 60228	Ohm/Km	21.32	20.42	O.K	
Diameter of Wires In Conductor	TS EN 60228	mm	7x0.40	7x0.40	O.K	
Insulation Thickness	Ref. Std. TS 13755/VDE 0812	nom.mm	0.20	0.22	O.K	
Metalic Screen (Drain wire / Al-Pet tape)	Ref. Std. TS 13755/VDE 0812	mm	7x0.20 / 17x0.035	7x0.20 / 17x0.035	O.K	
Outer Sheath Thickness	Ref. Std. TS 13755/VDE 0812	mm	0.50	0.48	O.K	
Outer Sheath Diameter	Ref. Std. TS 13755/VDE 0812	mm	4.95± 10%	4.75	O.K	
Marking	Ref. Std. TS 13755/VDE 0812		OK	OK	O.K	
Type Tests						
Outer Sheath	Tensile Strength (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	17.55	O.K
	Elongation at Break (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	230%	O.K
	Tensile Strength (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	16.45	O.K
	Elongation at Break (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	203%	O.K
	Tensile Strength Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-6.69%	O.K
	Elongation at Break Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-13.30%	O.K
	Pressure Test at High Temperature	TS EN 60811-508	max.	50%	30%	O.K
	Hot Set	TS EN 60811-509		No Crack	No Crack	O.K
	Cold Bending	TS EN 60811-504		No Crack	No Crack	O.K
	Mass Loss	TS EN 60811-409	max .mg/cm <sup>3</sup>	2.0	1.14	O.K
Vertical Flame Propagation	TS EN 60332-1-2	mm	L1 > 50 L2 < 540	385 / 480	O.K	
Mutual Capacity	Ref. Std. TS 13755/VDE 0812	nF/km	C/C: 88.587	60	O.K	
Notes :						

\*Specifications are subject to change without notice based on technical recommendations and related product enhancements

# Test Result - Control Cable

## Test Summary-PASS

<b>6 core foil shielded 18 AWG stranded (07x26) , PVC- Grey 305m/Roll</b>			Date	04.10.23		
			Report No	W313 / 011		
Part number	T.04.CC.06.FS.18.T-07X26.P.G.3		Length	7600m		
Ref.Standard	Ref. Std. TS 13755/VDE 0812					
<b>Routine Tests</b>	<b>Test Standard</b>	<b>Unit</b>	<b>Required Value</b>	<b>Measured Value</b>	<b>Result</b>	
Core Coding	TDS Table 1		Black-Red-White-Green-Brown-Blue	Black-Red-White-Green-Brown-Blue	O.K	
Conductor Resistance (20 °C)	TS EN 60228	Ohm/Km	21.32	20.50	O.K	
Diameter of Wires In Conductor	TS EN 60228	mm	7x0.40	7x0.40	O.K	
Insulation Thickness	Ref. Std. TS 13755/VDE 0812	nom.mm	0.20	0.21	O.K	
Metalic Screen (Drain wire / Al-Pet tape)	Ref. Std. TS 13755/VDE 0812	mm	7x0.20 / 20x0.035	7x0.20 / 20x0.035	O.K	
Outer Sheath Thickness	Ref. Std. TS 13755/VDE 0812	mm	0.50	0,52	O.K	
Outer Sheath Diameter	Ref. Std. TS 13755/VDE 0812	mm	5.90± 10%	6.00	O.K	
Marking	Ref. Std. TS 13755/VDE 0812		OK	OK	O.K	
<b>Type Tests</b>						
<b>Outer Sheath</b>	Tensile Strength (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	17.65	O.K
	Elongation at Break (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	227%	O.K
	Tensile Strength (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	16.51	O.K
	Elongation at Break (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	205%	O.K
	Tensile Strength Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-6.90%	O.K
	Elongation at Break Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-10.73%	O.K
	Pressure Test at High Temperature	TS EN 60811-508	max.	50%	28%	O.K
	Hot Set	TS EN 60811-509		No Crack	No Crack	O.K
	Cold Bending	TS EN 60811-504		No Crack	No Crack	O.K
	Mass Loss	TS EN 60811-409	max .mg/cm <sup>3</sup>	2.0	1.13	O.K
	Vertical Flame Propagation	TS EN 60332-1-2	mm	L1 > 50 L2 < 540	375 / 485	O.K
Mutual Capacity	Ref. Std. TS 13755/VDE 0812	nF/km	C/C: 88.587	78	O.K	
Notes :						

\*Specifications are subject to change without notice based on technical recommendations and related product enhancements

## Test Result - Control Cable

Test Summary-PASS 

<b>6 core unshielded 18 AWG stranded (07x26) , PVC- Grey 305m/Roll</b>			Date	04.10.23		
			Report No	W313 / 012		
Part number	T.04.CC.06.US.18.T-07X26.P.G.3		Length	5795m		
Ref.Standard	Ref. Std. TS 13755/VDE 0812					
<b>Routine Tests</b>	<b>Test Standard</b>	<b>Unit</b>	<b>Required Value</b>	<b>Measured Value</b>	<b>Result</b>	
Core Coding	TDS Table 1		Black-Red-White-Green-Brown-Blue	Black-Red-White-Green-Brown-Blue	O.K	
Conductor Resistance (20 °C)	TS EN 60228	Ohm/Km	21.32	20.55	O.K	
Diameter of Wires In Conductor	TS EN 60228	mm	7x0.40	7x0.40	O.K	
Insulation Thickness	Ref. Std. TS 13755/VDE 0812	nom.mm	0.20	0.21	O.K	
Outer Sheath Thickness	Ref. Std. TS 13755/VDE 0812	mm	0.50	0.52	O.K	
Outer Sheath Diameter	Ref. Std. TS 13755/VDE 0812	mm	5.80± 10%	6.00	O.K	
Marking	Ref. Std. TS 13755/VDE 0812		OK	OK	O.K	
<b>Type Tests</b>						
<b>Outer Sheath</b>	Tensile Strength (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	17.63	O.K
	Elongation at Break (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	229%	O.K
	Tensile Strength (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	16.48	O.K
	Elongation at Break (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	202%	O.K
	Tensile Strength Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-6.98%	O.K
	Elongation at Break Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-13.37%	O.K
	Pressure Test at High Temperature	TS EN 60811-508	max.	50%	29%	O.K
	Hot Set	TS EN 60811-509		No Crack	No Crack	O.K
	Cold Bending	TS EN 60811-504		No Crack	No Crack	O.K
	Mass Loss	TS EN 60811-409	max .mg/cm <sup>3</sup>	2.0	1.14	O.K
	Vertical Flame Propagation	TS EN 60332-1-2	mm	L1 > 50 L2 < 540	380 / 480	O.K
Mutual Capacity	Ref. Std. TS 13755/VDE 0812	nF/km	C/C: 78.744	51	O.K	
Notes :						

\*Specifications are subject to change without notice based on technical recommendations and related product enhancements

# Test Result - Control Cable

## Test Summary-PASS

<b>4 core unshielded 22 AWG stranded (07x30) , PVC- Grey 305m/Roll</b>			Date	04.10.23		
			Report No	W313 / 013		
Part number	T.04.CC.04.US.22.T-07X30.P.G.3		Length	6254m		
Ref.Standard	Ref. Std. TS 13755/VDE 0812					
<b>Routine Tests</b>	<b>Test Standard</b>	<b>Unit</b>	<b>Required Value</b>	<b>Measured Value</b>	<b>Result</b>	
Core Coding	TDS Table 1		Black-Red-White-Green	Black-Red-White-Green	O.K	
Conductor Resistance (20 °C)	TS EN 60228	Ohm/Km	53.15	51.28	O.K	
Diameter of Wires In Conductor	TS EN 60228	mm	7x0.25	7x0.25	O.K	
Insulation Thickness	Ref. Std. TS 13755/VDE 0812	nom.mm	0.20	0.22	O.K	
Outer Sheath Thickness	Ref. Std. TS 13755/VDE 0812	mm	0.50	0.53	O.K	
Outer Sheath Diameter	Ref. Std. TS 13755/VDE 0812	mm	3.80± 10%	3.80	O.K	
Marking	Ref. Std. TS 13755/VDE 0812		OK	OK	O.K	
<b>Type Tests</b>						
<b>Outer Sheath</b>	Tensile Strength (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	17.65	O.K
	Elongation at Break (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	228%	O.K
	Tensile Strength (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	16.11	O.K
	Elongation at Break (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	207%	O.K
	Tensile Strength Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-9.56%	O.K
	Elongation at Break Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-10.14%	O.K
	Pressure Test at High Temperature	TS EN 60811-508	max.	50%	29%	O.K
	Hot Set	TS EN 60811-509		No Crack	No Crack	O.K
	Cold Bending	TS EN 60811-504		No Crack	No Crack	O.K
	Mass Loss	TS EN 60811-409	max .mg/cm <sup>3</sup>	2.0	1.12	O.K
	Vertical Flame Propagation	TS EN 60332-1-2	mm	L1 > 50 L2 < 540	375 / 485	O.K
Mutual Capacity	Ref. Std. TS 13755/VDE 0812	nF/km	C/C: 55.777	34	O.K	
Notes :						

\*Specifications are subject to change without notice based on technical recommendations and related product enhancements

## Test Result - Control Cable

### Test Summary-PASS

<b>8 Core foil shielded 18 AWG stranded (07x26) , PVC- Grey 305m/Roll</b>			Date	04.10.23		
			Report No	W313 / 014		
Part number	T.04.CC.08.FS.18.T-07X26.P.G.3		Length	7520m		
Ref.Standard	Ref. Std. TS 13755/VDE 0812					
<b>Routine Tests</b>	<b>Test Standard</b>	<b>Unit</b>	<b>Required Value</b>	<b>Measured Value</b>	<b>Result</b>	
Core Coding	TDS Table 1		Black-Red-White-Green- Brown-Blue-Orange- Yellow	Black-Red-White-Green- Brown-Blue-Orange- Yellow	O.K	
Conductor Resistance (20 °C)	TS EN 60228	Ohm/Km	21.32	20.58	O.K	
Diameter of Wires In Conductor	TS EN 60228	mm	7x0.40	7x0.40	O.K	
Insulation Thickness	Ref. Std. TS 13755/VDE 0812	nom.mm	0.20	0.22	O.K	
Metalic Screen (Drain wire / Al-Pet tape)	Ref. Std. TS 13755/VDE 0812	mm	7x0.20 / 25x0.035	7x0.20 / 25x0.035	O.K	
Outer Sheath Thickness	Ref. Std. TS 13755/VDE 0812	mm	0.50	0.63	O.K	
Outer Sheath Diameter	Ref. Std. TS 13755/VDE 0812	mm	6.40± 10%	6.95	O.K	
Marking	Ref. Std. TS 13755/VDE 0812		OK	OK	O.K	
<b>Type Tests</b>						
<b>Outer Sheath</b>	Tensile Strength (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	17.78	O.K
	Elongation at Break (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	222%	O.K
	Tensile Strength (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	16.55	O.K
	Elongation at Break (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	207%	O.K
	Tensile Strength Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-7.43%	O.K
	Elongation at Break Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-7.25%	O.K
	Pressure Test at High Temperature	TS EN 60811-508	max.	50%	27%	O.K
	Hot Set	TS EN 60811-509		No Crack	No Crack	O.K
	Cold Bending	TS EN 60811-504		No Crack	No Crack	O.K
	Mass Loss	TS EN 60811-409	max .mg/cm <sup>3</sup>	2.0	1.12	O.K
	Vertical Flame Propagation	TS EN 60332-1-2	mm	L1 > 50 L2 < 540	380 / 480	O.K
Mutual Capacity	Ref. Std. TS 13755/VDE 0812	nF/km	C/C: 88.587	71	O.K	
Notes :						

\*Specifications are subject to change without notice based on technical recommendations and related product enhancements



# Test Result - Control Cable

## Test Summary-PASS

<b>8 core foil shielded 22 AWG stranded (07x30) , PVC- Grey 305m/Roll</b>			Date	04.10.23		
			Report No	W313 / 015		
Part number	T.04.CC.08.FS.22.T-07X30.P.G.3		Length	7545m		
Ref.Standard	Ref. Std. TS 13755/VDE 0812					
Routine Tests		Test Standard	Unit	Required Value	Measured Value	Result
Core Coding		TDS Table 1		Black-Red-White-Green- Brown-Blue-Orange- Yellow	Black-Red-White-Green- Brown-Blue-Orange- Yellow	O.K
Conductor Resistance (20 °C)		TS EN 60228	Ohm/Km	53.81	51.45	O.K
Diameter of Wires In Conductor		TS EN 60228	mm	7x0.25	7x0.25	O.K
Insulation Thickness		Ref. Std. TS 13755/VDE 0812	nom.mm	0.20	0.21	O.K
Metalic Screen (Drain wire / Al-Pet tape)		Ref. Std. TS 13755/VDE 0812	mm	7x0.20 / 12x0.024	7x0.20 / 12x0.024	O.K
Outer Sheath Thickness		Ref. Std. TS 13755/VDE 0812	mm	0.50	0.52	O.K
Outer Sheath Diameter		Ref. Std. TS 13755/VDE 0812	mm	4.90± 10%	5.00	O.K
Marking		Ref. Std. TS 13755/VDE 0812		OK	OK	O.K
Type Tests						
Outer Sheath	Tensile Strength (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	17.74	O.K
	Elongation at Break (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	237%	O.K
	Tensile Strength (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	16.33	O.K
	Elongation at Break (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	211%	O.K
	Tensile Strength Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-8.63%	O.K
	Elongation at Break Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-12.32%	O.K
	Pressure Test at High Temperature	TS EN 60811-508	max.	50%	28%	O.K
	Hot Set	TS EN 60811-509		No Crack	No Crack	O.K
	Cold Bending	TS EN 60811-504		No Crack	No Crack	O.K
	Mass Loss	TS EN 60811-409	max .mg/cm <sup>3</sup>	2.0	1.12	O.K
	Vertical Flame Propagation	TS EN 60332-1-2	mm	L1 > 50 L2 < 540	375 / 475	O.K
Mutual Capacity	Ref. Std. TS 13755/VDE 0812	nF/km	C/C: 131.24	78	O.K	
Notes :						

\*Specifications are subject to change without notice based on technical recommendations and related product enhancements

## Test Result - Control Cable

### Test Summary-PASS

2 Core unshielded 14 AWG stranded (19x26), PVC- Grey 305m/Roll			Date	04.10.23			
			Report No	W313 / 016			
Part number	T.04.CC.02.US.14.T-19X26.P.G.3		Length	7625m			
Ref.Standard	Ref. Std. TS 13755/VDE 0812						
Routine Tests		Test Standard	Unit	Required Value	Measured Value	Result	
Core Coding		TDS		Black-Red	Black-Red	O.K	
Conductor Resistance (20 °C)		TS EN 60228	Ohm/Km	8.90	8.75	O.K	
Diameter of Wires In Conductor		TS EN 60228	mm	19x0.40	19x0.40	O.K	
Insulation Thickness		Ref. Std. TS 13755/VDE 0812	nom.mm	0.30	0.35	O.K	
Outer Sheath Thickness		Ref. Std. TS 13755/VDE 0812	mm	0.50	0.64	O.K	
Outer Sheath Diameter		Ref. Std. TS 13755/VDE 0812	mm	5.80± 10%	6.36	O.K	
Marking		Ref. Std. TS 13755/VDE 0812		OK	OK	O.K	
Type Tests							
Insulation	Tensile Strength (Before Ageing)		TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	16.42	O.K
	Elongation at Break (Before Ageing)		TS EN 60811-501 TS EN 60811-512	min.	150%	207%	O.K
	Tensile Strength (After Ageing)		TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	15.30	O.K
	Elongation at Break (After Ageing)		TS EN 60811-501 TS EN 60811-512	min.	150%	190%	O.K
	Tensile Strength Variation		TS EN 60811-501 TS EN 60811-512	±	20%	-7.32%	O.K
	Elongation at Break Variation		TS EN 60811-501 TS EN 60811-512	±	20%	-8.95%	O.K
	Pressure Test at High Temperature		TS EN 60811-508	max.	50%	27%	O.K
	Hot Set		TS EN 60811-509		No Crack	No Crack	O.K
	Cold Bending		TS EN 60811-504		No Crack	No Crack	O.K
	Shrinkage		TS EN 60811-502	max.	4%	3.70%	O.K
	Mass Loss		TS EN 60811-409	max .mg/cm <sup>3</sup>	2.0	0.30	O.K

\*Specifications are subject to change without notice based on technical recommendations and related product enhancements

Outer Sheath	Tensile Strength (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	17.60	O.K
	Elongation at Break (Before Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	227%	O.K
	Tensile Strength (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.N/mm <sup>2</sup>	10.0	16.30	O.K
	Elongation at Break (After Ageing)	TS EN 60811-501 TS EN 60811-512	min.	150%	210%	O.K
	Tensile Strength Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-7.98%	O.K
	Elongation at Break Variation	TS EN 60811-501 TS EN 60811-512	±	20%	-8.10%	O.K
	Pressure Test at High Temperature	TS EN 60811-508	max.	50%	29%	O.K
	Hot Set	TS EN 60811-509		No Crack	No Crack	O.K
	Cold Bending	TS EN 60811-504		No Crack	No Crack	O.K
	Mass Loss	TS EN 60811-409	max .mg/cm <sup>3</sup>	2.0	1.15	O.K
Vertical Flame Propagation	TS EN 60332-1-2	mm	L1 > 50 L2 < 540	380 /480	O.K	
Mutual Capacity	Ref. Std. TS 13755/VDE 0812	nF/km	C/C: 120	115	O.K	
Notes :						

*\*Specifications are subject to change without notice based on technical recommendations and related product enhancements*