

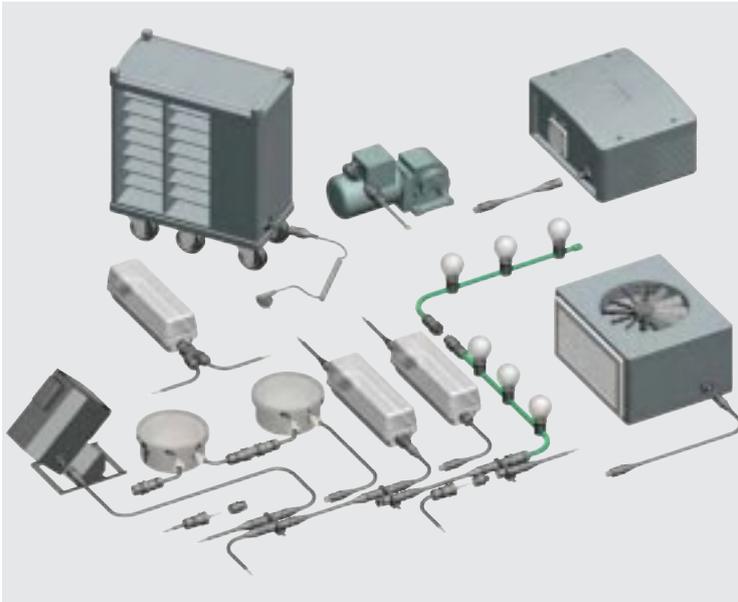
gesis[®]



RST 20i5

Mains, 5 pole, low voltage, mains + dimming

Application example



General

The 5 pole connectors come in three variations. The standard version for general mains applications; a version to combine mains and dimming signals; and finally a version for low voltage applications.

All connectors are mechanically coded. This means that only associated pairs of male and female can be connected with the correct polarity. You therefore have the security of a clear separation of different applications without having to redo any incorrect connections. The color of the connectors indicates the links that belong together.

Coding

					Application			
					Mains 250/400 V	50 V, LV, bus signals	Mains 250 V + dimming	
					Mechanical coding			
					3, ground, N, 2, 1	1, 2, 3, 4, 5	L, ground, N, +, -	
								
Name	Description	Connection style	Strain relief housing	Connection points per pole	gray	black	brown	turquoise
Connectors	1 x cable entry	Screw technology Crimp technology	yes	1				
	2 x cable entry	Screw technology	yes	1				
Distribution units	RST compact distributor/ multi distributor				available on request	available on request	available on request	available on request
	Individual distribution box				available on request	available on request	available on request	available on request
Cable assemblies	Connection cable Male – Free end	pre-assembled	pre-assembled	pre-assembled				
	Connection cable Female – Free end							
	Extension cable Male – Female							

Connectors

Connector for cables of Ø 6 – 10 and 10 – 14 mm

				With screw connection ²⁾ for rigid, fine-stranded and stranded cables of 0.75 – 4.0 mm ² . Unassembled with cable gland ¹⁾ and locking device.	With crimp contacts for fine-stranded and stranded cables of 0.75 – 4.0 mm ² . Unassembled with cable gland ¹⁾ and locking device. Crimp contacts separately available under "Accessories"		
				See "Technical Data" for sheath and insulation strip lengths.	See "Technical Data" for sheath and insulation strip lengths.		
Application	Coding	Cable	Color	Part No.	Std. Pack	Part No.	Std. Pack
Female connector							
Mains 250/400 V	 3, ground, N, 2, 1	6 – 10 mm	gray black	96.051.4053.0 96.051.4053.1		96.151.0053.0 96.151.0053.1	3rd. quart. 2006 3rd. quart. 2006
		10 – 14 mm	gray black	96.051.4153.0 96.051.4153.1		96.151.0153.0 96.151.0153.1	3rd. quart. 2006 3rd. quart. 2006
		13 – 18 mm	gray black				
Mains 250 V + dimming	 L, ground, N, +, -	6 – 10 mm	turquoise	96.051.4053.6		96.151.0053.6	3rd. quart. 2006
		10 – 14 mm		96.051.4153.6		96.151.0153.6	3rd. quart. 2006
		13 – 18 mm					
50 V, LV, bus signals	 1, 2, 3, 4, 5	6 – 10 mm	brown	96.051.4051.4		96.151.0051.4	3rd. quart. 2006
		10 – 14 mm		96.051.4151.4		96.151.0151.4	3rd. quart. 2006
		13 – 18 mm					
Application	Coding	Cable	Color	Part No.	Std. Pack	Part No.	Std. Pack
Male connector							
Mains 250/400 V	 ground, N, 1, 2, 3	6 – 10 mm	gray black	96.052.4053.0 96.052.4053.1		96.152.0053.0 96.152.0053.1	3rd. quart. 2006 3rd. quart. 2006
		10 – 14 mm	gray black	96.052.4153.0 96.052.4153.1		96.152.0153.0 96.152.0153.1	3rd. quart. 2006 3rd. quart. 2006
		13 – 18 mm	gray black				
Mains 250 V + dimming	 L, ground, N, +, -	6 – 10 mm	turquoise	96.052.4053.6		96.152.0053.6	3rd. quart. 2006
		10 – 14 mm		96.052.4153.6		96.152.0152.6	3rd. quart. 2006
		13 – 18 mm					
50 V, LV, bus signals	 1, 2, 3, 4, 5	6 – 10 mm	brown	96.052.4051.4		96.152.0051.4	3rd. quart. 2006
		10 – 14 mm		96.052.4151.4		96.152.0151.4	3rd. quart. 2006
		13 – 18 mm					

Connector for cable Ø 13 – 18 mm

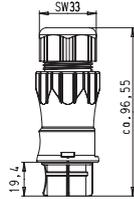
With screw connection²⁾ for rigid, fine-stranded and stranded cables of max. 4.0 mm². Unassembled with cable gland and locking device.

With crimp contacts for fine-stranded and stranded cables of 0.75 – 4.0 mm². Unassembled with cable gland¹⁾ and locking device. Crimp contacts separately available under "Accessories"

See "Technical Data" for sheath and insulation strip lengths.

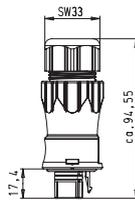
See "Technical Data" for sheath and insulation strip lengths.

Part No.	Std. Pack	Part No.	Std. Pack
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96.051.4553.0	96.051.4553.0	96.151.0553.0	3rd. quart. 2006
96.051.4553.6	96.051.4553.6	96.151.0553.6	3rd. quart. 2006
96.051.4553.4	96.051.4553.4	96.151.0553.4	3rd. quart. 2006

Part No.	Std. Pack	Part No.	Std. Pack
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96.052.4553.0	96.052.4553.0	96.152.0553.0	3rd. quart. 2006
96.052.4551.6	96.052.4551.6	96.152.0551.6	3rd. quart. 2006
96.052.4551.4	96.052.4551.4	96.152.0551.4	3rd. quart. 2006

Splitter connector

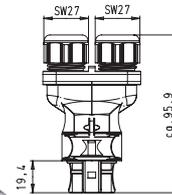
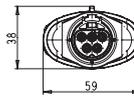
Mains, 5 pole, low voltage, mains + dimming

With screw connection²⁾ for rigid, fine-stranded and stranded cables of 0.75 – 1.5 mm². Unassembled with cable gland¹⁾ and locking device.

See "Technical Data" for sheath and insulation strip lengths.

Part No.	Std. Pack
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See "Accessories" for the mounting plate used to fasten the splitter connector.



96.051.4253.0	96.051.4253.1
96.051.4353.0	96.051.4353.1

96.051.4253.6	96.051.43.53.6
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96.051.4251.4	96.051.4351.4
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Appliance connector M16, modular, straight

Mains, 5 pole, low voltage, mains + dimming Appliance connector M20, modular, angled

With screw connections for rigid, fine-stranded and stranded cables of 0.75 – 4.0 mm².
1 connection point per pole. With locking device. Fixing in position guaranteed by flattening the thread. With M16x1.5 thread, internal cable gland.

See "Technical Data" for insulation strip lengths.

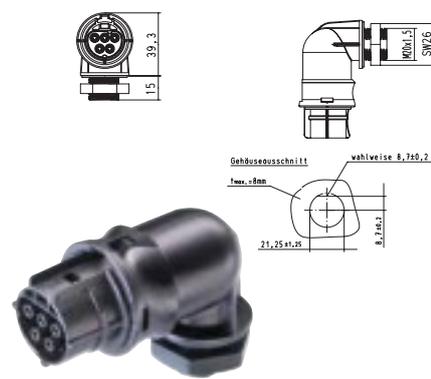
With crimp connections for rigid, fine-stranded and stranded cables of 0.75 – 4.0 mm².
1 connection point per pole. With locking device. Fixing in position guaranteed by flattening the thread. With M16x1.5 thread, internal cable gland. Crimp contacts separately available under "Accessories"
See "Technical Data" for insulation strip lengths.

With screw connections for rigid, fine-stranded and stranded cables of 0.75 – 4.0 mm².
1 connection point per pole. With locking device. Fixing in position guaranteed by flattening the thread. With M20x1.5 thread, internal cable gland.

See "Technical Data" for insulation strip lengths.

With crimp connections for rigid, fine-stranded and stranded cables of 0.75 – 4.0 mm².
1 connection point per pole. With locking device. Fixing in position guaranteed by flattening the thread. With M20x1.5 thread, internal cable gland. Crimp contacts separately available under "Accessories"
See "Technical Data" for insulation strip lengths.

Female connector



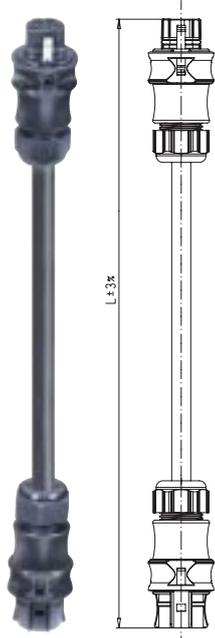
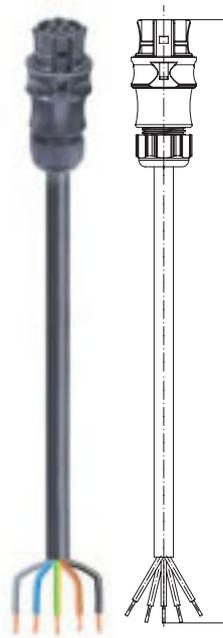
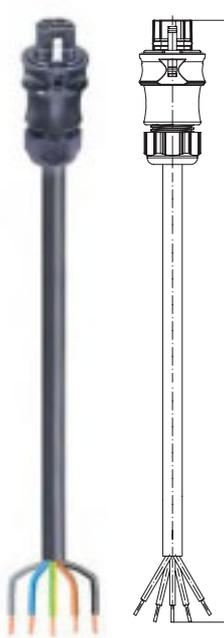
Application	Color	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
 Mains 250/400 V	gray/black	96.051.6153.0		96.151.2153.0	3rd. quart. 2006	96.053.6053.0		96.153.2053.0	3rd. quart. 2006
		96.051.6153.1		96.151.2153.1	3rd. quart. 2006	96.053.6053.1		96.153.2053.1	3rd. quart. 2006
 Mains 250 V + dim.	turquoise	96.051.6153.6		96.151.2153.6	3rd. quart. 2006	96.053.6053.6		96.153.2053.6	3rd. quart. 2006
		96.051.6151.4		96.151.2151.4	3rd. quart. 2006	96.053.6051.4		96.153.2051.4	3rd. quart. 2006
 50 V, LV, bus signals	brown	96.051.6151.4		96.151.2151.4	3rd. quart. 2006	96.053.6051.4		96.153.2051.4	3rd. quart. 2006

Male connector

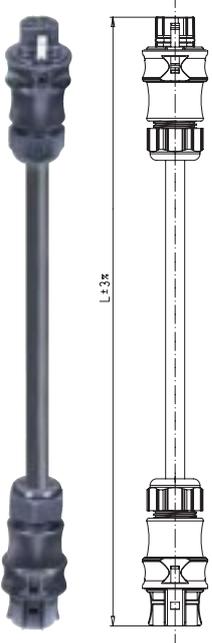
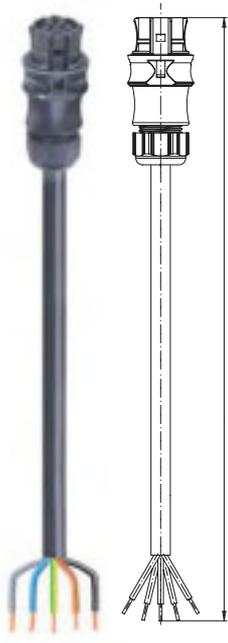
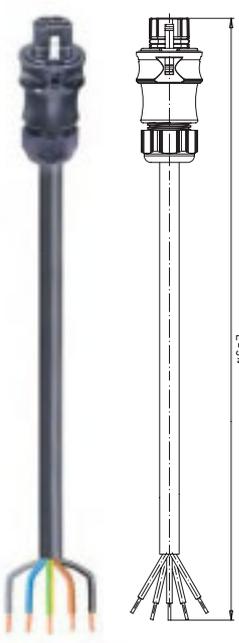


 Mains 250/400 V	gray/black	96.052.6153.0		96.152.2153.0	3rd. quart. 2006	96.054.6053.0		96.154.2053.0	3rd. quart. 2006
		96.052.6153.1		96.152.2153.1	3rd. quart. 2006	96.054.6053.1		96.154.2053.1	3rd. quart. 2006
 Mains 250 V + dim.	turquoise	96.052.6153.6		96.152.2153.6	3rd. quart. 2006	96.054.6053.6		96.154.2053.6	3rd. quart. 2006
		96.052.6151.4		96.152.2151.4	3rd. quart. 2006	96.054.6051.4		96.154.2051.4	3rd. quart. 2006

Cable assemblies, 1.5 mm²

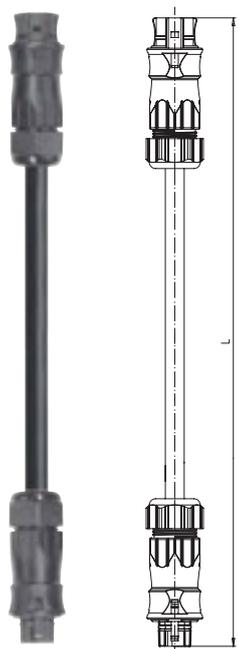
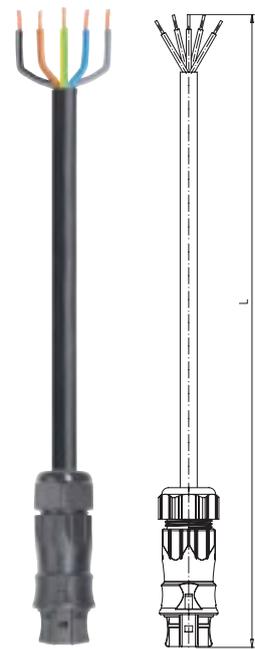
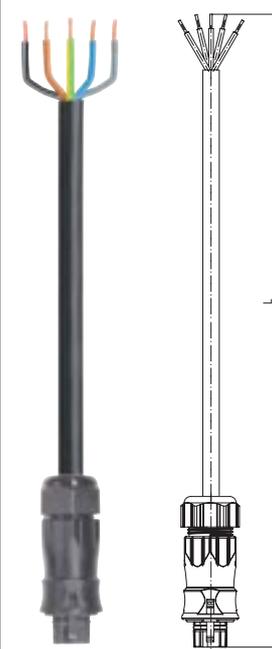
			Extension cable		Connection cable		Connection cable		
			H05VV-F 5G1,5 Female – Male with locking device		H05VV-F 5G1,5 Female – Free end with ultrasonically welded wire ends		H05VV-F 5G1,5 Male – Free end with ultrasonically welded wire ends and locking device		
					Cable strip length: 35 mm Insulation strip length: 9 mm		Cable strip length: 35 mm Insulation strip length: 9 mm		
<p>Pre-assembled mains cables</p>  <p>ground = gn/yl N = bl 1 = br 2 = bk 3 = gray</p> <p>Cable¹⁾ in black Connector in black Screw technology</p>			 <p>L+3x</p>		 <p>L+3x</p>		 <p>L+3x</p>		
Application	Coding	Color	Length ²⁾	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Mains 250/400 V	3, ground, N, 2, 1  Female  Male	black Cable: black	1.0 m	96.452.1000.1		96.452.1003.1		96.452.1004.1	
			2.0 m	96.452.2000.1		96.452.2003.1		96.452.2004.1	
			3.0 m	96.452.3000.1		96.452.3003.1		96.452.3004.1	
			4.0 m	96.452.4000.1		96.452.4003.1		96.452.4004.1	
			5.0 m	96.452.5000.1		96.452.5003.1		96.452.5004.1	
			6.0 m	96.452.6000.1		96.452.6003.1		96.452.6004.1	
			7.0 m	96.452.7000.1		96.452.7003.1		96.452.7004.1	
			8.0 m	96.452.8000.1		96.452.8003.1		96.452.8004.1	
Mains 250 V + dimming	L, ground, N, +, -  Female  Male	turquoise Cable: black	1.0 m	96.452.1000.6		96.452.1003.6		96.452.1004.6	
			2.0 m	96.452.2000.6		96.452.2003.6		96.452.2004.6	
			3.0 m	96.452.3000.6		96.452.3003.6		96.452.3004.6	
			4.0 m	96.452.4000.6		96.452.4003.6		96.452.4004.6	
			5.0 m	96.452.5000.6		96.452.5003.6		96.452.5004.6	
			6.0 m	96.452.6000.6		96.452.6003.6		96.452.6004.6	
			7.0 m	96.452.7000.6		96.452.7003.6		96.452.7004.6	
			8.0 m	96.452.8000.6		96.452.8003.6		96.452.8004.6	
LV, signals, bus, 50 V	1, 2, 3, 4, 5  Female  Male	brown Cable: black	1.0 m	Available on request		Available on request		Available on request	
			2.0 m						
			3.0 m						
			4.0 m						
			5.0 m						
			6.0 m						
			7.0 m						
			8.0 m						

¹⁾ Other cables available on request
²⁾ Other lengths available on request

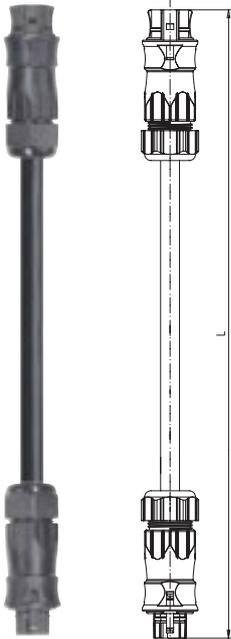
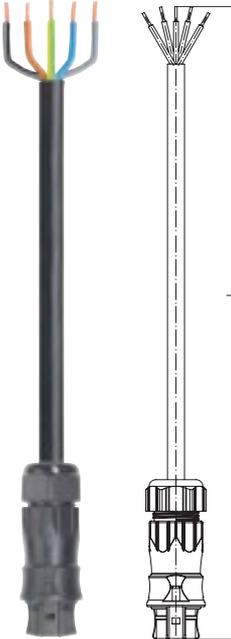
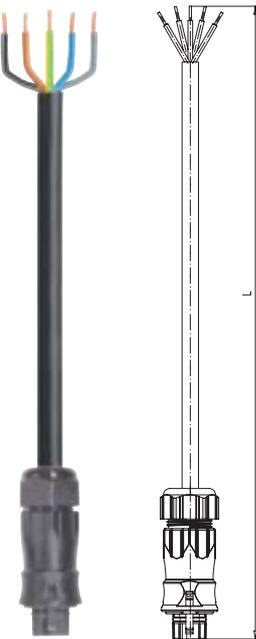
				Extension cable	Connection cable	Connection cable			
				H07RN-F 5G1,5 Female – Male with locking device	H07RN-F 5G1,5 Female – Free end with ultrasonically welded wire ends	H07RN-F 5G1,5 Male – Free end with ultrasonically welded wire ends and locking device			
					Cable strip length: 35 mm Insulation strip length: 9 mm	Cable strip length: 35 mm Insulation strip length: 9 mm			
<p>Pre-assembled mains cables</p>  <p>ground = gn/yl N = bl 1 = br 2 = bk 3 = gray</p> <p>Cable¹⁾ in black Connector in black Screw technology</p>									
Application	Coding	Color	Length ²⁾	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Mains 250/400 V	3, ground, N, 2, 1  Female	black	1.0 m	96.452.1030.1		96.452.1033.1		96.452.1034.1	
			2.0 m	96.452.2030.1		96.452.2033.1		96.452.2034.1	
			3.0 m	96.452.3030.1		96.452.3033.1		96.452.3034.1	
			4.0 m	96.452.4030.1		96.452.4033.1		96.452.4034.1	
	 Male	Cable: black	5.0 m	96.452.5030.1		96.452.5033.1		96.452.5034.1	
			6.0 m	96.452.6030.1		96.452.6033.1		96.452.6034.1	
			7.0 m	96.452.7030.1		96.452.7033.1		96.452.7034.1	
			8.0 m	96.452.8030.1		96.452.8033.1		96.452.8034.1	
Mains 250 V + dimming	L, ground, N, +, -  Female	turquoise	1.0 m	96.452.1030.6		96.452.1033.6		96.452.1034.6	
			2.0 m	96.452.2030.6		96.452.2033.6		96.452.2034.6	
			3.0 m	96.452.3030.6		96.452.3033.6		96.452.3034.6	
			4.0 m	96.452.4030.6		96.452.4033.6		96.452.4034.6	
	 Male	Cable: black	5.0 m	96.452.5030.6		96.452.5033.6		96.452.5034.6	
			6.0 m	96.452.6030.6		96.452.6033.6		96.452.6034.6	
			7.0 m	96.452.7030.6		96.452.7033.6		96.452.7034.6	
			8.0 m	96.452.8030.6		96.452.8033.6		96.452.8034.6	
LV, signals, bus, 50 V	 Female	brown	1.0 m	Available on request		Available on request		Available on request	
			2.0 m						
			3.0 m						
			4.0 m						
	 Male	Cable: black	5.0 m						
			6.0 m						
			7.0 m						
			8.0 m						

¹⁾ Other cables available on request
²⁾ Other lengths available on request

Cable assemblies, 2.5 mm²

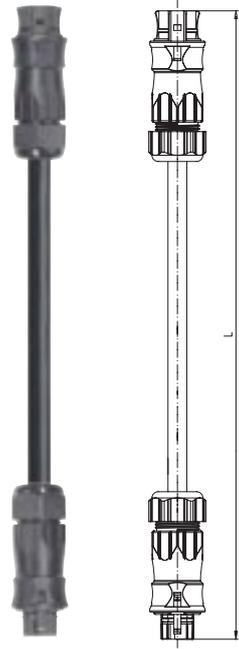
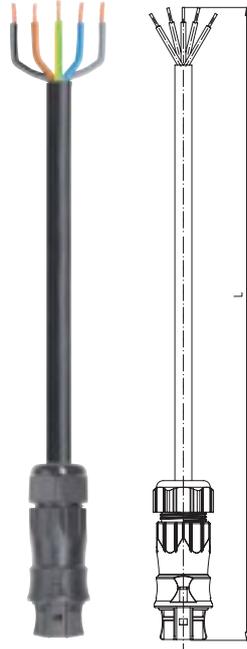
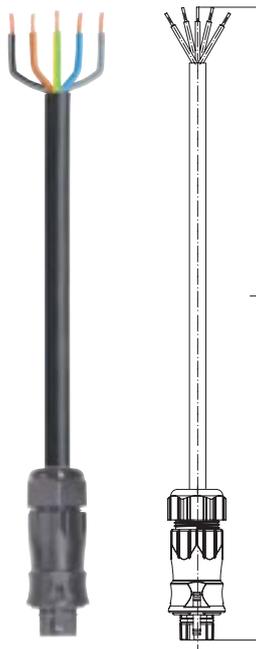
			Extension cable		Connection cable		Connection cable		
			H05VV-F 5G2,5 Female – Male with locking device		H05VV-F 5G2,5 Female – Free end with ultrasonically welded wire ends		H05VV-F 5G2,5 Male – Free end with ultrasonically welded wire ends and locking device		
					Cable strip length: 35 mm Insulation strip length: 9 mm		Cable strip length: 35 mm Insulation strip length: 9 mm		
<p>Pre-assembled mains cables</p>  <p>ground = gn/yl N = bl 1 = br 2 = bk 3 = gray</p> <p>Cable¹⁾ in black Connector in black Screw technology</p>									
Application	Coding	Color	Length ²⁾	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Mains 250/400 V	3, ground, N, 2, 1  Female  Male	black Cable: black	1.0 m	96.453.1000.1		96.453.1003.1		96.453.1004.1	
			2.0 m	96.453.2000.1		96.453.2003.1		96.453.2004.1	
			3.0 m	96.453.3000.1		96.453.3003.1		96.453.3004.1	
			4.0 m	96.453.4000.1		96.453.4003.1		96.453.4004.1	
			5.0 m	96.453.5000.1		96.453.5003.1		96.453.5004.1	
			6.0 m	96.453.6000.1		96.453.6003.1		96.453.6004.1	
			7.0 m	96.453.7000.1		96.453.7003.1		96.453.7004.1	
			8.0 m	96.453.8000.1		96.453.8003.1		96.453.8004.1	
Mains 250 V + dimming	L, ground, N, +, -  Female  Male	turquoise Cable: black	1.0 m	96.453.1000.6		96.453.1003.6		96.453.1004.6	
			2.0 m	96.453.2000.6		96.453.2003.6		96.453.2004.6	
			3.0 m	96.453.3000.6		96.453.3003.6		96.453.3004.6	
			4.0 m	96.453.4000.6		96.453.4003.6		96.453.4004.6	
			5.0 m	96.453.5000.6		96.453.5003.6		96.453.5004.6	
			6.0 m	96.453.6000.6		96.453.6003.6		96.453.6004.6	
			7.0 m	96.453.7000.6		96.453.7003.6		96.453.7004.6	
			8.0 m	96.453.8000.6		96.453.8003.6		96.453.8004.6	
LV, signals, bus, 50 V	1, 2, 3, 4, 5  Female  Male	brown Cable: black	1.0 m	Available on request		Available on request		Available on request	
			2.0 m						
			3.0 m						
			4.0 m						
			5.0 m						
			6.0 m						
			7.0 m						
			8.0 m						

¹⁾ Other cables available on request
²⁾ Other lengths available on request

				Extension cable		Connection cable		Connection cable	
				H07RN-F 5G2,5		H07RN-F 5G2,5		H07RN-F 5G2,5	
				Female – Male with locking device		Female – Free end with ultrasonically welded wire ends		Male – Free end with ultrasonically welded wire ends and locking device	
						Cable strip length: 35 mm Insulation strip length: 9 mm		Cable strip length: 35 mm Insulation strip length: 9 mm	
<p>Pre-assembled mains cables</p>  <p>ground = gn/yl N = bl 1 = br 2 = bk 3 = gray</p> <p>Cable¹⁾ in black Connector in black Screw technology</p>									
Application	Coding	Color	Length ²⁾	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Mains 250/400 V	3, ground, N, 2, 1  Female  Male	black Cable: black	1.0 m	96.453.1030.1		96.453.1033.1		96.453.1034.1	
			2.0 m	96.453.2030.1		96.453.2033.1		96.453.2034.1	
			3.0 m	96.453.3030.1		96.453.3033.1		96.453.3034.1	
			4.0 m	96.453.4030.1		96.453.4033.1		96.453.4034.1	
			5.0 m	96.453.5030.1		96.453.5033.1		96.453.5034.1	
			6.0 m	96.453.6030.1		96.453.6033.1		96.453.6034.1	
			7.0 m	96.453.7030.1		96.453.7033.1		96.453.7034.1	
			8.0 m	96.453.8030.1		96.453.8033.1		96.453.8034.1	
Mains 250 V + dimming	L, N, ground, +, -  Female  Male	turquoise Cable: black	1.0 m	96.453.1030.6		96.453.1033.6		96.453.1034.6	
			2.0 m	96.453.2030.6		96.453.2033.6		96.453.2034.6	
			3.0 m	96.453.3030.6		96.453.3033.6		96.453.3034.6	
			4.0 m	96.453.4030.6		96.453.4033.6		96.453.4034.6	
			5.0 m	96.453.5030.6		96.453.5033.6		96.453.5034.6	
			6.0 m	96.453.6030.6		96.453.6033.6		96.453.6034.6	
			7.0 m	96.453.7030.6		96.453.7033.6		96.453.7034.6	
			8.0 m	96.453.8030.6		96.453.8033.6		96.453.8034.6	
LV, signals, bus, 50 V	1, 2, 3, 4, 5  Female  Male	brown Cable: black	1.0 m	Available on request		Available on request		Available on request	
			2.0 m						
			3.0 m						
			4.0 m						
			5.0 m						
			6.0 m						
			7.0 m						
			8.0 m						

¹⁾ Other cables available on request
²⁾ Other lengths available on request

Cable assemblies, 4.0 mm²

			Extension cable		Connection cable		Connection cable		
			H05VV-F 5G4,0 Female – Male with locking device		H05VV-F 5G4,0 Female – Free end with ultrasonically welded wire ends		H05VV-F 5G4,0 Male – Free end with ultrasonically welded wire ends and locking device		
					Cable strip length: 35 mm Insulation strip length: 9 mm		Cable strip length: 35 mm Insulation strip length: 9 mm		
Pre-assembled mains cables  ground = gn/yl N = bl 1 = br 2 = bk 3 = gray									
Cable ¹⁾ in black Connector in black Screw technology									
Application	Coding	Color	Length ²⁾	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Mains 250/400 V	3, ground, N, 2, 1  Female  Male	black Cable: black	1.0 m	96.454.1000.1		96.454.1003.1		96.454.1004.1	
			2.0 m	96.454.2000.1		96.454.2003.1		96.454.2004.1	
			3.0 m	96.454.3000.1		96.454.3003.1		96.454.3004.1	
			4.0 m	96.454.4000.1		96.454.4003.1		96.454.4004.1	
			5.0 m	96.454.5000.1		96.454.5003.1		96.454.5004.1	
			6.0 m	96.454.6000.1		96.454.6003.1		96.454.6004.1	
			7.0 m	96.454.7000.1		96.454.7003.1		96.454.7004.1	
			8.0 m	96.454.8000.1		96.454.8003.1		96.454.8004.1	
Mains 250 V + dimming	L, N, ground, +, -  Female  Male	turquoise Cable: black	1.0 m	96.454.1000.6		96.454.1003.6		96.454.1004.6	
			2.0 m	96.454.2000.6		96.454.2003.6		96.454.2004.6	
			3.0 m	96.454.3000.6		96.454.3003.6		96.454.3004.6	
			4.0 m	96.454.4000.6		96.454.4003.6		96.454.4004.6	
			5.0 m	96.454.5000.6		96.454.5003.6		96.454.5004.6	
			6.0 m	96.454.6000.6		96.454.6003.6		96.454.6004.6	
			7.0 m	96.454.7000.6		96.454.7003.6		96.454.7004.6	
			8.0 m	96.454.8000.6		96.454.8003.6		96.454.8004.6	
LV, signals, bus, 50 V	1, 2, 3, 4, 5  Female  Male	brown Cable: black	1.0 m	Available on request		Available on request		Available on request	
			2.0 m						
			3.0 m						
			4.0 m						
			5.0 m						
			6.0 m						
			7.0 m						
			8.0 m						

¹⁾ Other cables available on request
²⁾ Other lengths available on request