

CABLE SERIES 155220 (Unshielded) – 155221 (Shielded)
Signal & Control - UL AWM recognized - WSOR jacket (“Weld-Slag and Oil-Resistant”)
cUL_{US} Style 21215 (80°C / 600V)

1. CONSTRUCTION DATA

1.1 CONDUCTOR:

Bare copper strand; according to EN 13602 - ETP1; stranding according to DIN VDE 0295, EN60228 Class 6
Stranded lay compliant with UL 758.

1.2 WIRE STRUCTURE:

Nominal Section (mm ²)	AWG	Stranding (nbr of wires x wire diameter in mm)	Diameter of stranded core (mm)	Max Resistance Ref. std. IEC 60344 (Ω/km)
0.25	24	32x0.10	0.62	85.8
0.34	22	42x0.10	0.80	65.3
0.50	21	28x0.15	0.95	42.3
0.75	19	42x0.15	1.20	27.7
1.00	18	52x0.15	1.32	22.4
1.50	16	81x0.15	1.50	14.4
2.50	14	133x0.15	2.10	8.7

1.3 INSULATION:

Thermoplastic Elastomer compound; Max Insulation resistance >600 MΩxkm (IEC60189-1&IEC60885-1 or EN50289-1-4);
nominal hardness 50 Shore D; according to UL758

1.4 INSULATION DIAMETER

Nominal Section (mm ²)	Nominal Ø (mm)	Nominal thickness (mm)
0.25	1.1	0.25
0.34	1.3	0.25
0.50	1.5	0.29
0.75	1.8	0.30
1.00	2.1	0.38
1.50	2.4	0.45
2.50	3.1	0.50

1.5 ASSEMBLY:

Cores stranded together in one or two layers (depending on the number of cores), where if necessary one or more fillers can be used for a better roundness.

1.6 SHIELD (only for 0.34mm², series 155211):

Braid type, tin copper wire; nominal optical Coverage 85%; tapes are used for protection of shield, PET foil under braid and Nonwovens TNT over braid.

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1.7 JACKET:

Special compound Polyurethane based, nominal hardness 78 Shore A; Silicone, Pb,Cd,Hg & FCKW free; according to UL758.

For overall diameter, jacket and cores colors refer to Annex #1 & #2.

2. TECHNICAL DATA

2.1 ELECTRICAL:

Voltage rating	600 Vrms
Voltage test on core (thick. <0.4mm)	2000 Vrms x 1 min. (IEC60885-1)
Voltage test on core (thick. ≥0.4mm)	2500 Vrms x 1 min. (IEC60885-1)
Voltage test (core/screen if present)	2000 Vrms x 1 min. (IEC60885-1)

2.2 TEMPERATURE:

Temperature range (fixed)	-40 °C to +90°C (3'000h ISO6722 pending)
Temperature range (flex)	-25°C to +80°C (free motion without periodic recurrence and forced guidance)
Temperature range (drag chain)	-5°C to +60°C

2.3 CHEMICAL:

Oil resistance	UL758/UL2556 (4 days @ 100°C - IRM902 oil)
Free of FCKW, Silicone and Pb	yes
Halogen free	no

2.4 PHYSICAL:

UV resistant	yes (UL1581/2556– 300h)
Max installation pulling force	50N
Bending radius (fixed)	>5xOD
Bending radius (flex and drag chain)	>7.5xOD (up to 5Mio @ 20°C in a freely suspended chain)*
Torsion @ 20°C	Up to ±180°/m (±30°/m shielded cable)*

*Default criterium of the norm-bendings is electrical failure due to conductor breakage or conductor short-circuit. Extreme sheath adhesion is not a default criterium since it cannot be influenced by the cable manufacturer (e.g. through big abrasion between cable and chain, non-suitable chain construction or wrong installation of cable in the chain).

2.5 FLAME:

UL Vertical Flame Test	pass
UL VW-1, CSA FT-1	pass
IEC 60332-1	pass
IEC 60332-2	pass

3. COMPLIANCE

Accordance to:

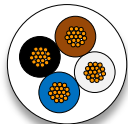
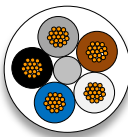
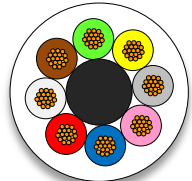
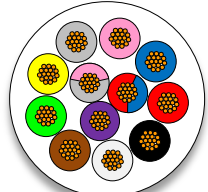
- 2006/95/CE; 2004/108/CE; 2011/65/CE (RoHS)
- Weld Slag Resistance: yes, S-300 Molex test
- UL/CSA (UL AWM Style 21215, use: external interconnect or internal wiring of electronic equipment)
- NFPA79-2012 circumstances mentioned in Chapter 12

4. PRINTING & PACKAGE

Printing text	Ink-jet type; conform to UL758
Package	available in different packaging sizes (refer to Annex #1 & #2)

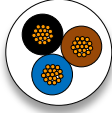
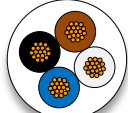
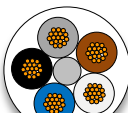
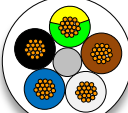
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ANNEX 1 (UNSHIELDED)

mm ²	AWG	Number of conductors	Outer Diameter (mm)	Jacket color	Packaging size	Packaging composition	Standard order number	Sketch*			
0,25	24	3	4,5	Black	S	3x200m	1552200001	 Brown-Blue-Black			
				Black	M	1x800m	1552200002				
				Black	L	1x1500m	1552200003				
				Grey	S	3x200m	1552200004				
				Grey	M	1x800m	1552200005				
				Grey	L	1x1500m	1552200006				
				Yellow	S	3x200m	1552200007				
				Yellow	M	1x800m	1552200008				
				Yellow	L	1x1500m	1552200009				
				Orange	S	3x200m	1552200010				
				Orange	M	1x800m	1552200011				
				Orange	L	1x1500m	1552200012				
		4	4,8	Black	S	3x200m	1552200013	 Brown-White-Blue-Black			
				Black	M	1x800m	1552200014				
				Black	L	1x1500m	1552200015				
				Grey	S	3x200m	1552200016				
				Grey	M	1x800m	1552200017				
				Grey	L	1x1500m	1552200018				
				Yellow	S	3x200m	1552200019				
				Yellow	M	1x800m	1552200020				
				Yellow	L	1x1500m	1552200021				
				Orange	S	3x200m	1552200022				
				Orange	M	1x800m	1552200023				
				Orange	L	1x1500m	1552200024				
		5	5,3	Black	S	3x200m	1552200025	 Brown-White-Blue-Black-Grey			
				Black	M	1x800m	1552200026				
				Black	L	1x1500m	1552200027				
				Grey	S	3x200m	1552200028				
				Grey	M	1x800m	1552200029				
				Grey	L	1x1500m	1552200030				
				Yellow	S	3x200m	1552200031				
				Yellow	M	1x800m	1552200032				
				Yellow	L	1x1500m	1552200033				
				8	6,4	Black	S		3x100m	1552200034	 White-Brown-Green-Yellow Grey-Pink-Blue-Red
						Black	M		1x500m	1552200035	
						Black	L		1x1000m	1552200036	
		Grey	S			3x100m	1552200037				
		Grey	M			1x500m	1552200038				
		Grey	L			1x1000m	1552200039				
		Yellow	S			3x100m	1552200040				
		Yellow	M			1x500m	1552200041				
		Yellow	L			1x1000m	1552200042				
		12	6,9			Black	S	3x100m	1552200043	 White-Brown-Green-Yellow- Grey-Pink-Blue Red-Black-Violet-Gray/Pink-Red/Blue	
						Black	M	1x500m	1552200044		
						Black	L	1x1000m	1552200045		
				Grey	S	3x100m	1552200046				
				Grey	M	1x500m	1552200047				
				Grey	L	1x1000m	1552200048				
				Yellow	S	3x100m	1552200049				
				Yellow	M	1x500m	1552200050				
				Yellow	L	1x1000m	1552200051				

*Colour Sequence
for packaging size L: colors clockwise exit drum (as in sketch)
for packaging size M and S; colors counterclockwise

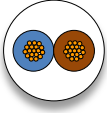
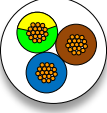
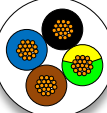
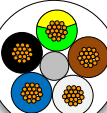
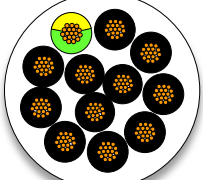
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mm ²	AWG	Number of conductors	Outer Diameter (mm)	Jacket color	Packaging size	Packaging composition	Standard order number	Sketch*
0,34	22	3	4,8	Black	S	3x200m	1552200052	 Brown-Blue-Black
				Black	M	1x800m	1552200053	
				Black	L	1x1500m	1552200054	
				Grey	S	3x200m	1552200055	
				Grey	M	1x800m	1552200056	
				Grey	L	1x1500m	1552200057	
				Yellow	S	3x200m	1552200058	
				Yellow	M	1x800m	1552200059	
				Yellow	L	1x1500m	1552200060	
				Orange	S	3x200m	1552200061	
				Orange	M	1x800m	1552200062	
				Orange	L	1x1500m	1552200063	
		4	5,1	Black	S	3x200m	1552200064	 Brown-White-Blue-Black
				Black	M	1x800m	1552200065	
				Black	L	1x1500m	1552200066	
				Grey	S	3x200m	1552200067	
				Grey	M	1x800m	1552200068	
				Grey	L	1x1500m	1552200069	
				Yellow	S	3x200m	1552200070	
				Yellow	M	1x800m	1552200071	
				Yellow	L	1x1500m	1552200072	
				Orange	S	3x200m	1552200073	
				Orange	M	1x800m	1552200074	
				Orange	L	1x1500m	1552200075	
		5	5,5	Black	S	3x200m	1552200076	 Brown-White-Blue-Black-Grey
				Black	M	1x800m	1552200077	
				Black	L	1x1500m	1552200078	
				Grey	S	3x200m	1552200079	
				Grey	M	1x800m	1552200080	
				Grey	L	1x1500m	1552200081	
				Yellow	S	3x200m	1552200082	
				Yellow	M	1x800m	1552200083	
				Yellow	L	1x1500m	1552200084	
				Orange	S	3x200m	1552200085	
				Orange	M	1x800m	1552200086	
				Orange	L	1x1500m	1552200087	
5	5,5	Black	S	3x200m	1552200088	 Brown-White-Blue-Black-Yellow/Green		
		Black	M	1x800m	1552200089			
		Black	L	1x1500m	1552200090			
		Grey	S	3x200m	1552200091			
		Grey	M	1x800m	1552200092			
		Grey	L	1x1500m	1552200093			
		Yellow	S	3x200m	1552200094			
		Yellow	M	1x800m	1552200095			
		Yellow	L	1x1500m	1552200096			
		Orange	S	3x200m	1552200097			
		Orange	M	1x800m	1552200098			
		Orange	L	1x1500m	1552200099			

*Colour Sequence

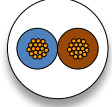
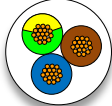
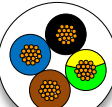
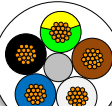
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mm ²	AWG	Number of conductors	Outer Diameter (mm)	Jacket color	Packaging size	Packaging composition	Standard order number	Sketch*
0,50	21	2	5,2	Black	S	3x200m	1552200100	 Blue-Brown
				Black	M	1x800m	1552200101	
				Black	L	1x1500m	1552200102	
				Grey	S	3x200m	1552200103	
				Grey	M	1x800m	1552200104	
				Grey	L	1x1500m	1552200105	
		3	5,6	Black	S	3x100m	1552200106	 Brown-Blue-Yellow/Green
				Black	M	1x500m	1552200107	
				Black	L	1x1000m	1552200108	
				Grey	S	3x100m	1552200109	
				Grey	M	1x500m	1552200110	
				Grey	L	1x1000m	1552200111	
				Orange	S	3x100m	1552200112	
		Orange	M	1x500m	1552200113			
		Orange	L	1x1000m	1552200114			
		4	5,9	Black	S	3x100m	1552200115	 Brown-Blue-Black-Yellow/Green
				Black	M	1x500m	1552200116	
				Black	L	1x1000m	1552200117	
				Grey	S	3x100m	1552200118	
				Grey	M	1x500m	1552200119	
				Grey	L	1x1000m	1552200120	
		5	6,2	Black	S	3x100m	1552200121	 Brown-White-Blue-Black-Yellow/Green
				Black	M	1x500m	1552200122	
				Black	L	1x1000m	1552200123	
				Grey	S	3x100m	1552200124	
				Grey	M	1x500m	1552200125	
		12	8,7	Black	S	1x200m	1552200127	 Black numbered in White + Yellow/Green
				Black	M	1x500m	1552200128	
				Black	L	1x1000m	1552200129	
				Grey	S	1x200m	1552200130	
Grey	M			1x500m	1552200131			
Grey	L			1x1000m	1552200132			

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mm ²	AWG	Number of conductors	Outer Diameter (mm)	Jacket color	Packaging size	Packaging composition	Standard order number	Sketch*
0,75	19	2	6	Black	S	3x100m	1552200133	 Blue-Brown
				Black	M	1x500m	1552200134	
				Black	L	1x1000m	1552200135	
				Grey	S	3x100m	1552200136	
				Grey	M	1x500m	1552200137	
				Grey	L	1x1000m	1552200138	
		3	6,4	Black	S	3x100m	1552200139	 Brown-Blue-Yellow/Green
				Black	M	1x500m	1552200140	
				Black	L	1x1000m	1552200141	
				Grey	S	3x100m	1552200142	
				Grey	M	1x500m	1552200143	
				Grey	L	1x1000m	1552200144	
		4	7,0	Black	S	3x100m	1552200145	 Brown-Blue-Black-Yellow/Green
				Black	M	1x500m	1552200146	
				Black	L	1x1000m	1552200147	
				Grey	S	3x100m	1552200148	
				Grey	M	1x500m	1552200149	
				Grey	L	1x1000m	1552200150	
		5	7,5	Black	S	3x100m	1552200151	 Brown-White-Blue-Black-Yellow/Green
				Black	M	1x500m	1552200152	
Black	L			1x1000m	1552200153			
Grey	S			3x100m	1552200154			
Grey	M			1x500m	1552200155			
Grey	L			1x1000m	1552200156			

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Rev.A 04/11/2015 RELEASED

ECR/ECN INFORMATION:

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








mm ²	AWG	Number of conductors	Outer Diameter (mm)	Jacket color	Packaging size	Packaging composition	Standard order number	Sketch*		
1,00	18	2	6,7	Black	S	3x100m	1552200157	 Blue-Brown		
				Black	M	1x500m	1552200158			
				Black	L	1x1000m	1552200159			
				Grey	S	3x100m	1552200160			
				Grey	M	1x500m	1552200161			
				Grey	L	1x1000m	1552200162			
		3	7,1	3	7,1	Black	S	3x100m	1552200163	 Brown-Blue-Yellow/Green
						Black	M	1x500m	1552200164	
						Black	L	1x1000m	1552200165	
						Grey	S	3x100m	1552200166	
						Grey	M	1x500m	1552200167	
						Grey	L	1x1000m	1552200168	
		4	7,6	4	7,6	Black	S	3x100m	1552200169	 Brown-Blue-Black-Yellow/Green
						Black	M	1x500m	1552200170	
						Black	L	1x1000m	1552200171	
						Grey	S	3x100m	1552200172	
						Grey	M	1x500m	1552200173	
						Grey	L	1x1000m	1552200174	
		5	8,3	5	8,3	Black	S	1x200m	1552200175	 Brown-White-Blue-Black-Yellow/Green
						Black	M	1x500m	1552200176	
						Black	L	1x1000m	1552200177	
						Grey	S	1x200m	1552200178	
						Grey	M	1x500m	1552200179	
						Grey	L	1x1000m	1552200180	
		7	9,6	7	9,6	Black	S	1x200m	1552200181	 Black numbered in White + Yellow/Green
						Black	M	1x500m	1552200182	
						Black	L	1x1000m	1552200183	
						Grey	S	1x200m	1552200184	
						Grey	M	1x500m	1552200185	
						Grey	L	1x1000m	1552200186	
		11	11,5	11	11,5	Black	S	1x100m	1552200187	 Black numbered in White + Yellow/Green
						Black	M	1x500m	1552200188	
						Black	L	1x1000m	1552200189	
						Grey	S	1x100m	1552200190	
						Grey	M	1x500m	1552200191	
						Grey	L	1x1000m	1552200192	
		12	11,5	12	11,5	Black	S	1x100m	1552200193	 Black numbered in White + Yellow/Green
						Black	M	1x500m	1552200194	
						Black	L	1x1000m	1552200195	
						Grey	S	1x100m	1552200196	
						Grey	M	1x500m	1552200197	
						Grey	L	1x1000m	1552200198	
		17	13,4	17	13,4	Black	S	1x100m	1552200199	 Black numbered in White + Yellow/Green
						Black	M	1x500m	1552200200	
						Black	L	1x1000m	1552200201	
						Grey	S	1x100m	1552200202	
						Grey	M	1x500m	1552200203	
						Grey	L	1x1000m	1552200204	
25	16,0	25	16,0	Black	S	1x100m	1552200205	 Black numbered in White + Yellow/Green		
				Black	M	1x250m	1552200206			
				Black	L	1x500m	1552200207			
				Grey	S	1x100m	1552200208			
				Grey	M	1x250m	1552200209			
				Grey	L	1x500m	1552200210			

*Colour Sequence

for packaging size L: colors clockwise exit drum (as in sketch)

for packaging size M and S; colors counterclockwise

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mm ²	AWG	Number of conductors	Outer Diameter (mm)	Jacket color	Packaging size	Packaging composition	Standard order number	Sketch*				
1,5	16	2	7,1	Black	S	3x100m	1552200211	 Blue-Brown				
				Black	M	1x500m	1552200212					
				Black	L	1x1000m	1552200213					
				Grey	S	3x100m	1552200214					
				Grey	M	1x500m	1552200215					
				Grey	L	1x1000m	1552200216					
		3	7,3	3	7,3	Black	S	3x100m	1552200217	 Brown-Blue-Yellow/Green		
						Black	M	1x500m	1552200218			
						Black	L	1x1000m	1552200219			
						Grey	S	3x100m	1552200220			
						Grey	M	1x500m	1552200221			
						Grey	L	1x1000m	1552200222			
		4	7,9	4	7,9	Black	S	3x100m	1552200223	 Brown-White-Blue-Black		
						Black	M	1x500m	1552200224			
						Black	L	1x1000m	1552200225			
						Grey	S	3x100m	1552200226			
						Grey	M	1x500m	1552200227			
						Grey	L	1x1000m	1552200228			
				4	7,9	4	7,9	Black	S	3x100m	1552200229	 Brown-Blue-Black-Yellow/Green
								Black	M	1x500m	1552200230	
								Black	L	1x1000m	1552200231	
								Grey	S	3x100m	1552200232	
								Grey	M	1x500m	1552200233	
								Grey	L	1x1000m	1552200234	
		5	8,6	5	8,6	Black	S	1x200m	1552200235	 Brown-White-Blue-Black-Yellow/Green		
						Black	M	1x500m	1552200236			
						Black	L	1x1000m	1552200237			
						Grey	S	1x200m	1552200238			
						Grey	M	1x500m	1552200239			
						Grey	L	1x1000m	1552200240			
		7	10,5	7	10,5	Black	S	1x100m	1552200241	 Black numbered in White + Yellow/Green		
						Black	M	1x500m	1552200242			
						Black	L	1x1000m	1552200243			
						Grey	S	1x100m	1552200244			
						Grey	M	1x500m	1552200245			
						Grey	L	1x1000m	1552200246			
		11	12,7	11	12,7	Black	S	1x100m	1552200247	 Black numbered in White + Yellow/Green		
						Black	M	1x500m	1552200248			
						Black	L	1x1000m	1552200249			
						Grey	S	1x100m	1552200250			
						Grey	M	1x500m	1552200251			
						Grey	L	1x1000m	1552200252			
		12	12,7	12	12,7	Black	S	1x100m	1552200253	 Black numbered in White + Yellow/Green		
						Black	M	1x500m	1552200254			
						Black	L	1x1000m	1552200255			
						Grey	S	1x100m	1552200256			
						Grey	M	1x500m	1552200257			
						Grey	L	1x1000m	1552200258			
17	14,7	17	14,7	Black	S	1x100m	1552200259	 Black numbered in White + Yellow/Green				
				Black	M	1x500m	1552200260					
				Black	L	1x1000m	1552200261					
				Grey	S	1x100m	1552200262					
				Grey	M	1x500m	1552200263					
				Grey	L	1x1000m	1552200264					
25	17,7	25	17,7	Black	S	1x100m	1552200265	 Black numbered in White + Yellow/Green				
				Black	M	1x250m	1552200266					
				Black	L	1x500m	1552200267					
				Grey	S	1x100m	1552200268					
				Grey	M	1x250m	1552200269					
				Grey	L	1x500m	1552200270					

*Colour Sequence: for packaging size L: colors clockwise exit drum (as in sketch); for packaging size M and S; colors counterclockwise

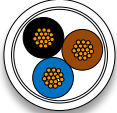
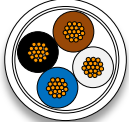
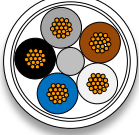
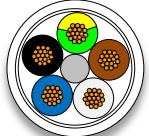
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mm ²	AWG	Number of conductors	Outer Diameter (mm)	Jacket color	Packaging size	Packaging composition	Standard order number	Sketch*		
2,5	14	2	8,8	Black	S	1x200m	1552200271	 Blue-Brown		
				Black	M	1x500m	1552200272			
				Black	L	1x1000m	1552200273			
				Grey	S	1x200m	1552200274			
				Grey	M	1x500m	1552200275			
				Grey	L	1x1000m	1552200276			
		3	9,3	3	9,3	Black	S	1x200m	1552200277	 Brown-Blue-Yellow/Green
						Black	M	1x500m	1552200278	
						Black	L	1x1000m	1552200279	
						Grey	S	1x200m	1552200280	
						Grey	M	1x500m	1552200281	
						Grey	L	1x1000m	1552200282	
		4	10,1	4	10,1	Black	S	1x100m	1552200283	 Brown-Blue-Black-Yellow/Green
						Black	M	1x500m	1552200284	
						Black	L	1x1000m	1552200285	
						Grey	S	1x100m	1552200286	
						Grey	M	1x500m	1552200287	
						Grey	L	1x1000m	1552200288	
		5	11,3	5	11,3	Black	S	1x100m	1552200289	 Brown-White-Blue-Black-Yellow/Green
						Black	M	1x500m	1552200290	
						Black	L	1x1000m	1552200291	
						Grey	S	1x100m	1552200292	
						Grey	M	1x500m	1552200293	
						Grey	L	1x1000m	1552200294	
		7	13,3	7	13,3	Black	S	1x100m	1552200295	 Black numbered in White + Yellow/Green
						Black	M	1x500m	1552200296	
						Black	L	1x1000m	1552200297	
						Grey	S	1x100m	1552200298	
						Grey	M	1x500m	1552200299	
						Grey	L	1x1000m	1552200300	
		11	15,7	11	15,7	Black	S	1x100m	1552200301	 Black numbered in White + Yellow/Green
						Black	M	1x250m	1552200302	
						Black	L	1x500m	1552200303	
						Grey	S	1x100m	1552200304	
						Grey	M	1x250m	1552200305	
						Grey	L	1x500m	1552200306	
		12	15,9	12	15,9	Black	S	1x100m	1552200307	 Black numbered in White + Yellow/Green
						Black	M	1x250m	1552200308	
						Black	L	1x500m	1552200309	
						Grey	S	1x100m	1552200310	
						Grey	M	1x250m	1552200311	
						Grey	L	1x500m	1552200312	
17	18,5	17	18,5	Black	S	1x100m	1552200313	 Black numbered in White + Yellow/Green		
				Black	M	1x250m	1552200314			
				Black	L	1x500m	1552200315			
				Grey	S	1x100m	1552200316			
				Grey	M	1x250m	1552200317			
				Grey	L	1x500m	1552200318			
25	22,3	25	22,3	Black	S	1x350m	1552200319	 Black numbered in White + Yellow/Green		
				Grey	S	1x350m	1552200322			

*Colour Sequence
for packaging size L: colors clockwise exit drum (as in sketch)
for packaging size M and S; colors counterclockwise

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ANNEX 2 (SHIELDED)

mm ²	AWG	Number of conductors	Outer Diameter (mm)	Jacket color	Packaging size	Packaging composition	Standard order number	Sketch*	
0,34	22	3	5,4	Black	S	3x200m	1552210001	 Brown-Blue-Black	
				Black	M	1x800m	1552210002		
				Black	L	1x1500m	1552210003		
				Grey	S	3x200m	1552210004		
				Grey	M	1x800m	1552210005		
				Grey	L	1x1500m	1552210006		
				Yellow	S	3x200m	1552210007		
				Yellow	M	1x800m	1552210008		
				Yellow	L	1x1500m	1552210009		
				Orange	S	3x200m	1552210010		
				Orange	M	1x800m	1552210011		
				Orange	L	1x1500m	1552210012		
		4	5,7	Black	S	3x100m	1552210013	 Brown-White-Blue-Black	
				Black	M	1x500m	1552210014		
				Black	L	1x1000m	1552210015		
				Grey	S	3x100m	1552210016		
				Grey	M	1x500m	1552210017		
				Grey	L	1x1000m	1552210018		
				Yellow	S	3x100m	1552210019		
				Yellow	M	1x500m	1552210020		
				Yellow	L	1x1000m	1552210021		
				Orange	S	3x100m	1552210022		
				Orange	M	1x500m	1552210023		
				Orange	L	1x1000m	1552210024		
		5	6,1	Black	S	3x100m	1552210025	 Brown-White-Blue-Black-Grey	
				Black	M	1x500m	1552210026		
				Black	L	1x1000m	1552210027		
				Grey	S	3x100m	1552210028		
				Grey	M	1x500m	1552210029		
				Grey	L	1x1000m	1552210030		
				Yellow	S	3x100m	1552210031		
				Yellow	M	1x500m	1552210032		
				Yellow	L	1x1000m	1552210033		
				Orange	S	3x100m	1552210034		
				Orange	M	1x500m	1552210035		
				Orange	L	1x1000m	1552210036		
				Black	S	3x100m	1552210037		 Brown-White-Blue-Black-Yellow/Green
				Black	M	1x500m	1552210038		
				Black	L	1x1000m	1552210039		
				Grey	S	3x100m	1552210040		
		Grey	M	1x500m	1552210041				
		Grey	L	1x1000m	1552210042				
		Yellow	S	3x100m	1552210043				
		Yellow	M	1x500m	1552210044				
		Yellow	L	1x1000m	1552210045				
		Orange	S	3x100m	1552210046				
		Orange	M	1x500m	1552210047				
		Orange	L	1x1000m	1552210048				

*Colour Sequence
for packaging size L: colors clockwise exit drum (as in sketch)
for packaging size M and S; colors counterclockwise

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