Cable Finder Guide – New Generation® Coax

No. of Cond.	Material	Stranded (mm)	Solid (mm)	Nom. Imp. Ohm	CDR Dia. (mm)	Braid			Cu-foil/Braid			Duobond®/Braid			Duobond II®/Braid			Duofoil®/Braid		
						Part No.	BC	Page	Part No.	BC	Page	Part No.	AL	Page	Part No.	TC	Page	Part No.		Page
25 AWG		**0.55**	**0.45**																	
1	BC		solid	75	0.46	473945	95%	20.35												
	BC		solid	75	0.46	573945	94%	20.35												
22 AWG		**0.80**	**0.60**																	
1	BC	7x30		75	0.76	451945	95%	20.35												
	BC	7x30		75	0.76	551945	95%	20.35												
20 AWG		**0.90**	**0.80**																	
1	BC		solid	75	0.81	443945	95%	20.36												
	BC		solid	75	0.81	543945	95%	20.35												
	BC		solid	75	0.81										5439W5#	95%	20.37			
	BC		solid	75	0.80													H121A00	40% TC	20.34
18 AWG		**1.20**	**1.00**																	
1	BC		solid	75	1.02													4339B5	63% BC	20.38
	BC		solid	75	1.02													4339Q5*	60% AL +40% AL	20.38
	BC		solid	75	1.02	433945	95%	20.36												
	BC		solid	75	1.02	533945	95%	20.36												
	BC		solid	75	1.02													5339B5	60% AL	20.38
	BC		solid	75	1.02													5339Q5*	60% AL +40% AL	20.38
	BC		solid	75	1.02													5339W5#	60% AL	20.37
	BC		solid	75	1.02							5399B5	60%	20.38						
	BC		solid	75	1.00				H109A00	55%	20.34									
	BC		solid	75	1.00													H125A00	40% TC	20.34
14 AWG		**1.85**	**1.60**																	
1	BC		solid	75	1.63	413945	95%	20.36												
	BC		solid	75	1.63	513945	95%	20.36												

* Quad Shield = Duofoil Tape + 60% Aluminum Braid + Duofoil Tape + 40% Aluminum Braid
# CoreGuard®
TC = Tinned Copper • BC = Bare Copper • AL = Aluminum

Cable Finder Guide – New Generation® Multi-Conductor and Twisted Pair

No. of Cond.	No. of Pairs	Stranded (mm)	Solid (mm)	Drain Wire	Unshielded		Overall Foil		Individual Foil	
					Part No.	Page	Part No.	Page	Part No.	Page
24 AWG 0.22 mm²		**0.60**	**0.50**							
2	none	7x32		x			5600FE	20.18		
	none	7x0.193					SEC0008	20.18		
	1	7x0.193					SEC0027	20.19		
4	none	7x0.193					SEC0009	20.18		
	2	7x0.193					SEC0028	20.19		
	1/1	7x0.193					SEC0037	20.19		
	1/1	7x0.193					SEC0042	20.19		
6	none	7x0.193					SEC0010	20.18		
	3	7x0.193					SEC0029	20.19		
	2/1	7x0.193					SEC0038	20.19		
	2/1	7x0.193					SEC0043	20.19		

AWG values are approximate where cables are made to European standards (mm²), and vice versa.
Where the current reaches upper limits, the varying operation conditions for installation and laying acc. to standards are to be taken into consideration.

Cable Finder Guide

New Generation® Multi-Conductor and Twisted Pair *(continued)*

No. of Cond.	No. of Pairs	Stranded (mm)	Solid (mm)	Drain Wire	Unshielded		Overall Foil		Individual Foil	
					Part No.	Page	Part No.	Page	Part No.	Page
24 AWG 0.22 mm²		**0.60**	**0.50** *(continued)*							
8	4		solid		1500A	20.42				
	4		solid		1583E	20.42				
	none	7x0.193					SEC0011	20.18		
	4	7x0.193					SEC0030	20.19		
	3/1	7x0.193					SEC0039	20.19		
	3/1	7x0.193					SEC0044	20.19		
10	none	7x0.193					SEC0012	20.18		
	5	7x0.193					SEC0031	20.19		
	4/1	7x0.193					SEC0040	20.19		
	4/1	7x0.193					SEC0045	20.19		
12	none	7x0.193					SEC0013	20.18		
	6	7x0.193					SEC0032	20.19		
	5/1	7x0.193					SEC0041	20.19		
	5/1	7x0.193					SEC0046	20.19		
14	7	7x0.193					SEC0033	20.19		
16	none	7x0.193					SEC0014	20.18		
	8	7x0.193					SEC0034	20.19		
20	10	7x0.193					SEC0035	20.19		
22	11	7x0.193					SEC0036	20.19		
2/2	none	7x0.193					SEC0015	20.18		
	none	7x0.193					SEC0021	20.18		
4/2	none	7x0.193					SEC0016	20.18		
	none	7x0.193					SEC0022	20.18		
6/2	none	7x0.193					SEC0017	20.18		
	none	7x0.193					SEC0023	20.18		
8/2	none	7x0.193					SEC0018	20.18		
	none	7x0.193					SEC0024	20.18		
10/2	none	7x0.193					SEC0019	20.18		
	none	7x0.193					SEC0025	20.18		
12/2	none	7x0.193					SEC0020	20.18		
	none	7x0.193					SEC0026	20.18		
23 AWG 0.26 mm²		**0.65**	**0.57**							
8	4		solid		7881A	20.42				
22 AWG 0.34 mm²		**0.80**	**0.60**							
2	none	7x30		x			4500FE	20.21		
	none	7x30			4500UE	20.12				
	none	7x30					5500F1	20.28		
	none	7x30		x			5500FE	20.20		
	none	7x30			5500UE	20.11				
	none	7x30			5500UG	20.10				
3	none	7x30		x			4501FE	20.21		
	none	7x30			4501UE	20.12				
	none	7x30		x			5501FE	20.20		
	none	7x30			5501UE	20.11				
	1+1/C	7x30		x					5501GE	20.33
4	none	7x30		x			4502FE	20.21		
	none	7x30			4502UE	20.12				
	none	7x30		x			5502FE	20.20		
	none	7x30			5502UE	20.11				
	none	7x30			5502UG	20.10				
	none		solid	x			5522FL	20.50		
	none		solid	x	5522UL	20.46				

AWG values are approximate where cables are made to European standards (mm²), and vice versa.
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Cable Finder Guide

New Generation® Multi-Conductor and Twisted Pair *(continued)*

NEW GENERATION®

No. of Cond.	No. of Pairs	Stranded (mm)	Solid (mm)	Drain Wire	Unshielded		Overall Foil		Individual Foil	
					Part No.	Page	Part No.	Page	Part No.	Page
22 AWG 0.34 mm²		**0.80**	**0.60** *(continued)*							
4	1+2/C	7x30		x					4502GE	20.33
	1+2/C	7x30		x					5502GE	20.33
	2	7x30			5541UE	20.29				
	2	7x30		x			4541FE	20.30		
	2	7x30		x			5541FE	20.30		
5	none	7x30		x			5503FE	20.20		
	none	7x30			5503UE	20.11				
6	none	7x30		x			4504FE	20.21		
	none	7x30			4504UE	20.12				
	none	7x30		x			5504FE	20.20		
	none	7x30			5504UE	20.11				
	none		solid		5542UL	20.46				
	1+2/TP	7x30		x					5542GE	20.33
	3	7x30			5542UE	20.29				
	3	7x30		x			4542FE	20.30		
	3	7x30		x			5542FE	20.30		
8	none	7x30		x			4506FE	20.21		
	none	7x30			4506UE	20.12				
	none	7x30		x			5506FE	20.20		
	none	7x30			5506UE	20.11				
	4	7x30			5543UE	20.29				
	4	7x30		x			5543FE	20.30		
	4	7x30		x					5543PE	20.32
10	none	7x30		x			4508FE	20.21		
	none	7x30		x			5508FE	20.20		
	none	7x30			5508UE	20.11				
12	none	7x30			4509UE	20.12				
	none	7x30			5509UE	20.11				
	6	7x30		x			4545FE	20.30		
	6	7x30		x			5545FE	20.30		
18	9	7x30			5547UE	20.29				
20 AWG 0.50 mm²		**0.90**	**0.80**							
2	none	7x28		x			4400FE	20.22		
	none	7x28			4400UE	20.13				
	none	7x28					5400F1	20.28		
	none	7x28		x			5400FE	20.22		
	none	7x28			5400UE	20.13				
3	none	7x28		x			4401FE	20.22		
	1+1/C	7x28		x					5401GE	20.33
	none	7x28		x			5401FE	20.22		
	none	7x28			5401UE	20.13				
4	none	7x28			4402UE	20.13				
	none	7x28		x			4402FE	20.22		
	2	7x28		x			4441FE	20.31		
	none	7x28		x			5402FE	20.22		
	1+2/C	7x28		x					5402GE	20.33
	none	7x28			5402UE	20.13				
	2	7x28		x			5441FE	20.30		
5	none	7x28		x			4403FE	20.22		
	none	7x28		x			5403FE	20.22		
	none	7x28			5403UE	20.13				
6	3	7x28		x			5442FE	20.30		
7	none	7x28		x			5405FE	20.22		
	none	7x28			5405UE	20.13				

AWG values are approximate where cables are made to European standards (mm²), and vice versa.
Where the current reaches upper limits, the varying operation conditions for installation and laying acc. to standards are to be taken into consideration.

Cable Finder Guide

New Generation® Multi-Conductor and Twisted Pair *(continued)*

NEW GENERATION®

No. of Cond.	No. of Pairs	Stranded (mm)	Solid (mm)	Drain Wire	Unshielded		Overall Foil		Individual Foil	
					Part No.	Page	Part No.	Page	Part No.	Page
20 AWG 0.50 mm²		**0.90**	**0.80** *(continued)*							
8	none	7x28			5406UE	20.13				
9	none	7x28		x			5407FE	20.22		
	none	7x28			5407UE	20.13				
10	none	7x28			5408UE	20.13				
12	none	7x28			5409UE	20.13				
	6	7x28		x			4445FE	20.31		
	6	7x28		x			5445FE	20.30		
20	none	7x28			540BUE	20.13				
18 AWG 0.75 mm²		**1.20**	**1.00**							
2	none	7x26		x			4300FE	20.24		
	none	7x26			4300UE	20.15				
	none	7x26					5300F1	20.28		
	none	7x26		x			5300FE	20.23		
	none	7x26			5300U1	20.28				
	none	7x26			5300UE	20.14				
	none	7x26			5300UG	20.10				
	none		solid				5320FJ	20.52		
	none		solid	x			5320FL	20.50		
	none		solid	x			5320FN	20.54		
	none		solid		5320UJ	20.52				
	none		solid		5320UL	20.46				
	none		solid		5320UN	20.54				
	none	20x0.243					SEC0047	20.25		
3	none	7x26		x			4301FE	20.24		
	none	7x26			4301UE	20.15				
	none	7x26		x			5301FE	20.23		
	none	7x26			5301UE	20.14				
	none	20x0.243					SEC0048	20.25		
4	none	7x26		x			4302FE	20.24		
	none	7x26			4302UE	20.15				
	none	7x26		x			5302FE	20.23		
	none	7x26			5302UE	20.14				
	none		solid	x			4320FL	20.50		
	none		solid	x			4322FL	20.50		
	none		solid		4322UL	20.47				
	none		solid				5322FJ	20.52		
	none		solid	x			5322FL	20.50		
	none		solid	x			5322FN	20.54		
	none		solid		5322UL	20.46				
	none		solid		5322UN	20.54				
	1+2/C	7x26		x					5302GE	20.33
	2	7x26			4341UE	20.29				
	2	7x26			5341UE	20.29				
	2	7x26		x			4341FE	20.31		
	2	7x26		x			5341FE	20.31		
	none	20x0.243					SEC0049	20.25		
5	none	7x26		x			4303FE	20.24		
	none	7x26			4303UE	20.15				
	none	7x26		x			5303FE	20.23		
	none	7x26			5303UE	20.14				
	none	20x0.243					SEC0050	20.25		
6	none	7x26		x			4304FE	20.24		
	none	7x26			4304UE	20.15				
	none	7x26		x			5304FE	20.23		
	none	7x26			5304UE	20.14				
	none		solid		4324UL	20.47				

AWG values are approximate where cables are made to European standards (mm²), and vice versa.
Where the current reaches upper limits, the varying operation conditions for installation and laying acc. to standards are to be taken into consideration.

Cable Finder Guide

New Generation® Multi-Conductor and Twisted Pair *(continued)*

No. of Cond.	No. of Pairs	Stranded (mm)	Solid (mm)	Drain Wire	Unshielded		Overall Foil		Individual Foil	
					Part No.	Page	Part No.	Page	Part No.	Page
18 AWG 0.75 mm²		**1.20**	**1.00** *(continued)*							
6	none		solid		5324UL	20.46				
	3	7x26			5342UE	20.29				
	3	7x26		x			4342FE	20.31		
	3	7x26		x			5342FE	20.31		
7	none	7x26		x			5305FE	20.23		
	none	7x26			5305UE	20.14				
8	none	7x26		x			4306FE	20.24		
	none	7x26			4306UE	20.15				
	none	7x26		x			5306FE	20.23		
	none	7x26			5306UE	20.14				
	none		solid		5326UL	20.46				
	4	7x26			5343UE	20.29				
	4	7x26		x			4343FE	20.31		
	4	7x26		x			5343FE	20.31		
9	none	7x26		x			4307FE	20.24		
	none	7x26		x			5307FE	20.23		
	none	7x26			5307UE	20.14				
10	none	7x26			4308UE	20.15				
	none	7x26			5308UE	20.14				
	none		solid		5328UL	20.46				
12	none	7x26			4309UE	20.15				
	none	7x26			5309UE	20.14				
	none		solid		5329UL	20.46				
	6	7x26			5345UE	20.29				
	6	7x26		x			4345FE	20.31		
	6	7x26		x			5345FE	20.31		
18	9	7x26			5347UE	20.29				
20	none	7x26			530BUE	20.14				
17 AWG 1.00 mm²		**1.20**	**1.00**							
2	none		solid	x			4K20FX*	20.56		
3	none		solid	x			4K21FX*	20.56		
4	none		solid	x			4K22FX*	20.56		
16 AWG 1.50 mm²		**1.50**	**1.30**							
2	none	19x29		x			4200FE	20.26		
	none	19x29			4200UE	20.16				
	none		solid	x			4220FL	20.50		
	none		solid		4220UL	20.48				
	none	19x29		x			5200FE	20.26		
	none	19x29			5200UE	20.15				
	none		solid				5220FJ	20.52		
	none		solid	x			5220FL	20.50		
	none		solid	x			5220FN	20.55		
	none		solid		5220UJ	20.52				
	none		solid		5220UL	20.48				
	none		solid		5220UN	20.54				
3	none	19x29		x			4201FE	20.26		
	none	19x29			4201UE	20.16				
	none	19x29		x			5201FE	20.26		
	none	19x29			5201UE	20.15				
4	none	19x29		x			4202FE	20.26		
	none	19x29			4202UE	20.16				
	none		solid		4222UL	20.48				
	none	19x29		x			5202FE	20.26		
	none	19x29			5202UE	20.15				

* Mica/Glass Fire Barrier, XL Polyolefin FROH and Aluminum/Polyester taped Screen • AWG values are approximate where cables are made to European standards (mm²), and vice versa. Where the current reaches upper limits, the varying operation conditions for installation and laying acc. to standards are to be taken into consideration.

Cable Finder Guide

New Generation® Multi-Conductor and Twisted Pair *(continued)*

No. of Cond.	No. of Pairs	Stranded (mm)	Solid (mm)	Drain Wire	Unshielded		Overall Foil		Individual Foil	
					Part No.	Page	Part No.	Page	Part No.	Page
16 AWG 1.50 mm²		**1.50**	**1.30** *(continued)*							
4	none		solid				5222FJ	20.52		
	none		solid	x			5222FL	20.50		
	none		solid	x			5222FN	20.55		
	none		solid		5222UL	20.48				
	none		solid		5222UN	20.54				
7	none	19x29			5205UE	20.15				
15 AWG 1.65 mm²			**1.40**							
2	none		solid	x			4L20FX*	20.56		
3	none		solid	x			4L21FX*	20.56		
4	none		solid	x			4L22FX*	20.56		
7	none		solid	x			4L25FX*	20.56		
14 AWG 2.50 mm²		**1.85**	**1.60**							
2	none	19x27		x			4100FE	20.27		
	none	19x27			4100UE	20.16				
	none		solid	x			4120FL	20.51		
	none		solid		4120UL	20.48				
	none	19x27		x			5100FE	20.27		
	none	19x27			5100UE	20.16				
	none		solid				5120FJ	20.53		
	none		solid	x			5120FL	20.51		
	none		solid	x			5120FN	20.55		
	none		solid		5120UL	20.48				
	none		solid		5120UN	20.54				
3	none	19x27			4101UE	20.16				
	none	19x27		x			5101FE	20.27		
	none	19x27			5101UE	20.16				
4	none	19x27			4102UE	20.16				
	none		solid		4122UL	20.48				
	none	19x27			5102UE	20.16				
	none		solid	x			5122FL	20.51		
	none		solid	x			5122FN	20.55		
	none		solid		5122UL	20.48				
13 AWG 2.63 mm²		**2.10**	**1.80**							
2	none		solid	x			4N20FX*	20.56		
3	none		solid	x			4N21FX*	20.56		
4	none		solid	x			4N22FX*	20.56		
12 AWG 4.00 mm²		**2.40**	**2.10**							
2	none	19x25		x			4000FE	20.27		
	none	19x25			4000UE	20.17				
	none		solid	x			4020FL	20.51		
	none		solid		4020UL	20.49				
	none	19x25		x			5000FE	20.27		
	none	19x25			5000UE	20.17				
	none		solid				5020FJ	20.53		
	none		solid	x			5020FL	20.51		
	none		solid	x			5020FN	20.55		
	none		solid		5020UL	20.49				
3	none	19x25			4001UE	20.17				
	none	19x25			5001UE	20.17				

* Mica/Glass Fire Barrier, XL Polyolefin FROH and Aluminum/Polyester taped Screen

AWG values are approximate where cables are made to European standards (mm²), and vice versa.
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Cable Finder Guide – New Generation® Combination

NEW GENERATION®

No. of Cond.	Part No.	Description		Shielding	Compo-nent	Page
		Conductor / Gage	mm			
Combination Gages						
3	SEC0001	2 cdr - 26 AWG 1 co - 21 AWG	0.50 0.41	Unshielded Alu + 72% BC Braid	1xData 1xCoax	20.40
	SEC0003	2 cdr - 20 AWG 1 co - 26 AWG	1.00 0.41	Unshielded Alu + 72% BC Braid	1xData 1xCoax	20.40
	439945	1pr - 18 AWG 1 co - 18 AWG	1.22 1.02	Unshielded 95% BC Braid	2xData 1xCoax	20.39
	449945	1 pr - 18 AWG 1 co - 20 AWG	1.22 0.80	Unshielded 95% BC Braid	2xData 1xCoax	20.39
	539945	1 pr - 18 AWG 1 co - 18 AWG	1.22 1.02	Unshielded 95% BC Braid	2xData 1xCoax	20.39
	549945	1 pr - 18 AWG 1 co - 20 AWG	1.22 0.80	Unshielded 95% BC Braid	2xData 1xCoax	20.39
5	SEC0002	1 co - 20 AWG 2 cdr - 16 AWG 2 cdr - 26 AWG	0.81 1.50 0.50	Alu + 55% TC Braid Unshielded Unshielded	1xCoax 1xData 1xControl	20.40
	SEC0004	1 co - 26 AWG 2 cdr - 24 AWG 2 cdr - 26 AWG	0.41 0.22 0.50	Alu + 72% TC Braid Unshielded Unshielded	1xCoax 1xData 1xControl	20.40
	500PTZ	1 co - 20 AWG 1 pr - 23 AWG 2 cdr - 18 AWG	0.81 0.57 1.22	95% BC Braid Unshielded Unshielded	Video Control Power	20.44
	501PTZ	1 co - 20 AWG 1 pr - 22 AWG 2 cdr - 18 AWG	0.81 0.76 1.22	95% BC Braid Beldfoil® Unshielded	Video Control Power	20.44
	502PTZ	1 co - 20 AWG 1 pr - 18 AWG 2 cdr - 18 AWG	0.81 1.24 1.22	95% BC Braid Beldfoil® Unshielded	Video Control Power	20.44
6	5284UE	2 pr - 23 AWG 2 cdr - 16 AWG	0.60 1.47	Unshielded Unshielded	1xData 2xPower	20.41
	5284US	2 pr - 24 AWG 2 cdr - 16 AWG	0.50 1.47	Unshielded Unshielded	1xData 2xPower	20.41
8	SEC0006	2 cdr - 16 AWG 3 pr - 28 AWG	1.50 0.35	Unshielded Unshielded	Power Control	20.43
10	5288US	4 pr - 24 AWG 2 cdr - 16 AWG	0.50 1.47	Unshielded Unshielded	1xData 2xPower	20.41
13	SEC0005	1 co - 23 AWG 3 cdr - 20 AWG 9 cdr - 22 AWG	0.58 1.00 0.75	55% TC Braid Unshielded Unshielded	Coax Power Control	20.43
15	SEC0007	1 co - 21 AWG 2 cdr - 22 AWG 6 cdr - 26 AWG 3 pr - 28 AWG	0.75 0.75 0.50 0.35	80% BC Braid Unshielded Unshielded Unshielded	Coax Power Data Control	20.43
16	558AFS	4 cdr - 18 AWG 3 pr - 22 AWG 2 cdr - 22 AWG 4 cdr - 22 AWG	1.22 0.76 0.76 0.76	Overall Beldfoil® Overall Beldfoil® Overall Beldfoil® Overall Beldfoil®	Lock Power Card Reader Door Contact Rex/Spare	20.45

co = Coax • cdr = Conductor(s) • pr = Pair

Halar® is a Solvay Solexis trademark.
Teflon® is a DuPont trademark.

How to Interpret a Catalog Number

Can be used with part numbers starting with 4 or 5.

Standard Multi-Conductor, Paired, Fire Alarm, Combination Gage Cables:

5 3 0 0 U E

Location
- 5 = Non-plenum
- 6 = Plenum
- 4 = LSNH

Gage
- E = 8/8.4 mm² (solid)
- T = 10/5.3 mm² (solid)
- 0 = 12/3.3 mm² (solid)/3.6 mm² (stranded)
- 1 = 14/2.1 mm²/2.2 mm²
- 2 = 16/1.3 mm²/1.4 mm²
- 3 = 18/0.82 mm²/0.90 mm²
- 4 = 20/0.52 mm²/0.56 mm²
- 5 = 22/0.33mm²/0.36 mm²
- 6 = 24/0.21 mm²/0.23 mm²
- K = 1.0 mm²
- L = 1.5 mm²
- M = 2.0 mm²
- N = 2.5 mm²

Type of Conductor
- 0 = Stranded multi-conductor
- 2 = Solid multi-conductor
- 4 = Stranded paired conductor
- 6 = Solid paired conductor
- 8 = Composite Cable

Number of Conductors
- 0 = 2 conductors
- 1 = 3 conductors or 2 pairs
- 2 = 4 conductors or 3 pairs
- 3 = 5 conductors or 4 pairs
- 4 = 6 conductors
- 5 = 7 conductors or 6 pairs
- 6 = 8 conductors
- 7 = 9 conductors or 9 pairs
- 8 = 10 conductors or 12 pairs
- 9 = 12 conductors
- A = 16 conductors
- B = 20 conductors

Shielding
- C = Foil plus 85% braid, overall (m/c, pairs)
- F = Overall foil w/drain (m/c or multipair)
- G = One foil shielded pair w/drain (m/c, pair(s) combo)
- H = SPOS – shielded pairs and O/A foil shield
- P = Individual shielded pairs with drain (multipairs)
- U = Unshielded (m/c, pairs)

Application
- 1 = Water-blocked multi-conductor
- A = FEP Insulation/Teflon® jacket, plenum cable
- C = Halar® jacket, plenum cable
- E = Power-limited communication cable, high-capacitance
- G = Non-riser rated, may be un-cabled
- J = Power-limited fire protective, mid-capacitance
- K = Fire Alarm, Halar®/Flamarrest®, mid-capacitance
- L = Power-limited fire protective, high-capacitance
- N = PVC/Nylon Insulation, NPLF rated
- P = High Strand Audio
- Q = Residential Audio
- S = Spline
- X = Circuit Integrity, IEC 331