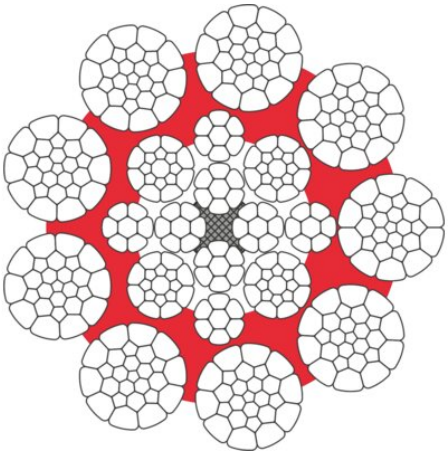
Lifting Solutions Group
Axel Johnson International

COMPLAST9

Product information





General: Complast 9 Regular or Lang lay.
We recommend the Complast 9 for all heavy duty hoisting applications, high performance travelling / Overhead cranes, container cranes, boom hoist, mineral ore cranes, intensive use.
Complast 9 is recommended for all difficult hoisting applications where 8 strands ropes are usually used. Complast 9 can exceed service life performances of 8 strand ropes by up to 20% under the same load conditions.
9 outer strands
Compacted inner and outer strands
Drawn galvanized wires 1960 or 2160 N/mm²
Warrington core filled with plastic
Very high breaking load resistance
High service life performance
Range of diameters from 16 to 64 mm

... *Read more*

Crawler crane


Tower crane


Offshore crane


Container crane


Crawler crane


Offshore crane


Loading crane


Mobile port crane


Mobile port crane


General use


Marking: According to standard
Standard: EN 12385-4

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COMPLAST9

Technical data

Part code	Rope diameter mm	Tensile strength N/mm²	Finish	Rope lay	Min. breaking force kN	Steel area mm²	Lubrication	Weight kg/m
103101604270069	16	1,960	Galvanized	sZ	219	135.4	SupplierStandard	1.2
103101603270069	16	1,960	Galvanized	zS	219	135.4	SupplierStandard	1.2
103101606270069	16	1,960	Galvanized	zZ	219	135.4	SupplierStandard	1.2
103101605270069	16	1,960	Galvanized	sS	219	135.4	SupplierStandard	1.2
103101604300069	16	2,160	Galvanized	sZ	239	135.4	SupplierStandard	1.2
103101603300069	16	2,160	Galvanized	zS	239	135.4	SupplierStandard	1.2
103101606300069	16	2,160	Galvanized	zZ	239	135.4	SupplierStandard	1.2
103101605300069	16	2,160	Galvanized	sS	239	135.4	SupplierStandard	1.2
103101804270069	18	1,960	Galvanized	sZ	277	171.7	SupplierStandard	1.54
103101803270069	18	1,960	Galvanized	zS	277	171.7	SupplierStandard	1.54
103101806270069	18	1,960	Galvanized	zZ	277	171.7	SupplierStandard	1.54
103101805270069	18	1,960	Galvanized	sS	277	171.7	SupplierStandard	1.54
103101804300069	18	2,160	Galvanized	sZ	302	171.7	SupplierStandard	1.54
103101803300069	18	2,160	Galvanized	zS	302	171.7	SupplierStandard	1.54
103101806300069	18	2,160	Galvanized	zZ	302	171.7	SupplierStandard	1.54
103101805300069	18	2,160	Galvanized	sS	302	171.7	SupplierStandard	1.54
103101904270069	19	1,960	Galvanized	sZ	308	191.4	SupplierStandard	1.72
103101903270069	19	1,960	Galvanized	zS	308	191.4	SupplierStandard	1.72
103101906270069	19	1,960	Galvanized	zZ	308	191.4	SupplierStandard	1.72
103101905270069	19	1,960	Galvanized	sS	308	191.4	SupplierStandard	1.72
103101904300069	19	2,160	Galvanized	sZ	336	191.4	SupplierStandard	1.72
103101903300069	19	2,160	Galvanized	zS	336	191.4	SupplierStandard	1.72
103101906300069	19	2,160	Galvanized	zZ	336	191.4	SupplierStandard	1.72
103101905300069	19	2,160	Galvanized	sS	336	191.4	SupplierStandard	1.72
103102004270069	20	1,960	Galvanized	sZ	346	213.5	SupplierStandard	1.92
103102003270069	20	1,960	Galvanized	zS	346	213.5	SupplierStandard	1.92
103102006270069	20	1,960	Galvanized	zZ	346	213.5	SupplierStandard	1.92
103102005270069	20	1,960	Galvanized	sS	346	213.5	SupplierStandard	1.92
103102004300069	20	2,160	Galvanized	sZ	375	213.5	SupplierStandard	1.92
103102003300069	20	2,160	Galvanized	zS	375	213.5	SupplierStandard	1.92
103102006300069	20	2,160	Galvanized	zZ	375	213.5	SupplierStandard	1.92

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COMPLAST9

Technical data

Part code	Rope diameter mm	Tensile strength N/mm²	Finish	Rope lay	Min. breaking force kN	Steel area mm²	Lubrication	Weight kg/m
103102005300069	20	2,160	Galvanized	sS	375	213.5	SupplierStandard	1.92
103102204270069	22	1,960	Galvanized	sZ	416	255.2	SupplierStandard	2.31
103102203270069	22	1,960	Galvanized	zS	416	255.2	SupplierStandard	2.31
103102206270069	22	1,960	Galvanized	zZ	416	255.2	SupplierStandard	2.31
103102205270069	22	1,960	Galvanized	sS	416	255.2	SupplierStandard	2.31
103102204300069	22	2,160	Galvanized	sZ	450	255.2	SupplierStandard	2.31
103102203300069	22	2,160	Galvanized	zS	450	255.2	SupplierStandard	2.31
103102206300069	22	2,160	Galvanized	zZ	450	255.2	SupplierStandard	2.31
103102205300069	22	2,160	Galvanized	sS	450	255.2	SupplierStandard	2.31
103102404270069	24	1,960	Galvanized	sZ	493	303.1	SupplierStandard	2.74
103102403270069	24	1,960	Galvanized	zS	493	303.1	SupplierStandard	2.74
103102406270069	24	1,960	Galvanized	zZ	493	303.1	SupplierStandard	2.74
103102404300069	24	2,160	Galvanized	sZ	534	303.1	SupplierStandard	2.74
103102403300069	24	2,160	Galvanized	zS	534	303.1	SupplierStandard	2.74
103102504270069	25	1,960	Galvanized	sZ	545	334.1	SupplierStandard	3.02
103102503270069	25	1,960	Galvanized	zS	545	334.1	SupplierStandard	3.02
103102506270069	25	1,960	Galvanized	zZ	545	334.1	SupplierStandard	3.02
103102505270069	25	1,960	Galvanized	sS	545	334.1	SupplierStandard	3.02
103102504300069	25	2,160	Galvanized	sZ	586	334.1	SupplierStandard	3.02
103102503300069	25	2,160	Galvanized	zS	586	334.1	SupplierStandard	3.02
103102506300069	25	2,160	Galvanized	zZ	586	334.1	SupplierStandard	3.02
103102505300069	25	2,160	Galvanized	sS	586	334.1	SupplierStandard	3.02
103102544270069	25.4	1,960	Galvanized	sZ	569	350.3	SupplierStandard	350.3
103102543270069	25.4	1,960	Galvanized	zS	569	350.3	SupplierStandard	350.3
103102546270069	25.4	1,960	Galvanized	zZ	569	350.3	SupplierStandard	350.3
103102545270069	25.4	1,960	Galvanized	sS	569	350.3	SupplierStandard	350.3
103102544300069	25.4	2,160	Galvanized	sZ	611	350.3	SupplierStandard	350.3
103102543300069	25.4	2,160	Galvanized	zS	611	350.3	SupplierStandard	350.3
103102546300069	25.4	2,160	Galvanized	zZ	611	350.3	SupplierStandard	350.3
103102545300069	25.4	2,160	Galvanized	sS	611	350.3	SupplierStandard	350.3
103102604270069	26	1,960	Galvanized	sZ	592	362.7	SupplierStandard	3.28

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COMPLAST9

Technical data

Part code	Rope diameter mm	Tensile strength N/mm²	Finish	Rope lay	Min. breaking force kN	Steel area mm²	Lubrication	Weight kg/m
103102603270069	26	1,960	Galvanized	zS	592	362.7	SupplierStandard	3.28
103102606270069	26	1,960	Galvanized	zZ	592	362.7	SupplierStandard	3.28
103102605270069	26	1,960	Galvanized	sS	592	362.7	SupplierStandard	3.28
103102604300069	26	2,160	Galvanized	sZ	631	362.7	SupplierStandard	3.28
103102603300069	26	2,160	Galvanized	zS	631	362.7	SupplierStandard	3.28
103102606300069	26	2,160	Galvanized	zZ	631	362.7	SupplierStandard	3.28
103102605300069	26	2,160	Galvanized	sS	631	362.7	SupplierStandard	3.28
103102804270069	28	1,960	Galvanized	sZ	677	415.6	SupplierStandard	3.75
103102803270069	28	1,960	Galvanized	zS	677	415.6	SupplierStandard	3.75
103102806270069	28	1,960	Galvanized	zZ	677	415.6	SupplierStandard	3.75
103102805270069	28	1,960	Galvanized	sS	677	415.6	SupplierStandard	3.75
103102804300069	28	2,160	Galvanized	sZ	721	415.6	SupplierStandard	3.75
103102803300069	28	2,160	Galvanized	zS	721	415.6	SupplierStandard	3.75
103102806300069	28	2,160	Galvanized	zZ	721	415.6	SupplierStandard	3.75
103102805300069	28	2,160	Galvanized	sS	721	415.6	SupplierStandard	3.75
103102864270069	28.6	1,960	Galvanized	sZ	700	430.3	SupplierStandard	3.89
103102863270069	28.6	1,960	Galvanized	zS	700	430.3	SupplierStandard	3.89
103102866270069	28.6	1,960	Galvanized	zZ	700	430.3	SupplierStandard	3.89
103102865270069	28.6	1,960	Galvanized	sS	700	430.3	SupplierStandard	3.89
103102864300069	28.6	2,160	Galvanized	sZ	746	430.3	SupplierStandard	3.89
103102863300069	28.6	2,160	Galvanized	zS	746	430.3	SupplierStandard	3.89
103102866300069	28.6	2,160	Galvanized	zZ	746	430.3	SupplierStandard	3.89
103102865300069	28.6	2,160	Galvanized	sS	746	430.3	SupplierStandard	3.89
103103004270069	30	1,960	Galvanized	sZ	763	469.9	SupplierStandard	4.25
103103003270069	30	1,960	Galvanized	zS	763	469.9	SupplierStandard	4.25
103103006270069	30	1,960	Galvanized	zZ	763	469.9	SupplierStandard	4.25
103103005270069	30	1,960	Galvanized	sS	763	469.9	SupplierStandard	4.25
103103004300069	30	2,160	Galvanized	sZ	814	469.9	SupplierStandard	4.25
103103003300069	30	2,160	Galvanized	zS	814	469.9	SupplierStandard	4.25
103103006300069	30	2,160	Galvanized	zZ	814	469.9	SupplierStandard	4.25
103103206270069	32	1,960	Galvanized	zZ	868	534.6	SupplierStandard	4.84

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Technical data

Part code	Rope diameter mm	Tensile strength N/mm²	Finish	Rope lay	Min. breaking force kN	Steel area mm²	Lubrication	Weight kg/m
103103205270069	32	1,960	Galvanized	sS	868	534.6	SupplierStandard	4.84
103103206300069	32	2,160	Galvanized	zZ	926	534.6	SupplierStandard	4.84
103103205300069	32	2,160	Galvanized	sS	926	534.6	SupplierStandard	4.84
103103404270069	34	1,960	Galvanized	sZ	1,015	617.5	SupplierStandard	5.56
103103403270069	34	1,960	Galvanized	zS	1,015	617.5	SupplierStandard	5.56
103103406270069	34	1,960	Galvanized	zZ	1,015	617.5	SupplierStandard	5.56
103103405270069	34	1,960	Galvanized	sS	1,015	617.5	SupplierStandard	5.56
103103404300069	34	2,160	Galvanized	sZ	1,075	617.5	SupplierStandard	5.56
103103403300069	34	2,160	Galvanized	zS	1,075	617.5	SupplierStandard	5.56
103103406300069	34	2,160	Galvanized	zZ	1,075	617.5	SupplierStandard	5.56
103103405300069	34	2,160	Galvanized	sS	1,075	617.5	SupplierStandard	5.56
103103504270069	35	1,960	Galvanized	sZ	1,104	652.9	SupplierStandard	5.88
103103503270069	35	1,960	Galvanized	zS	1,104	652.9	SupplierStandard	5.88
103103506270069	35	1,960	Galvanized	zZ	1,104	652.9	SupplierStandard	5.88
103103505270069	35	1,960	Galvanized	sS	1,104	652.9	SupplierStandard	5.88
103103504300069	35	2,160	Galvanized	sZ	1,155	652.9	SupplierStandard	5.88
103103503300069	35	2,160	Galvanized	zS	1,155	652.9	SupplierStandard	5.88
103103506300069	35	2,160	Galvanized	zZ	1,155	652.9	SupplierStandard	5.88
103103505300069	35	2,160	Galvanized	sS	1,155	652.9	SupplierStandard	5.88
103103605270069	36	1,960	Galvanized	sS	1,168	689.2	SupplierStandard	6.21
103103606300069	36	2,160	Galvanized	zZ	1,222	689.2	SupplierStandard	6.21
103103605300069	36	2,160	Galvanized	sS	1,222	689.2	SupplierStandard	6.21
103103804270069	38	1,960	Galvanized	sZ	1,290	763.9	SupplierStandard	6.9
103103803270069	38	1,960	Galvanized	zS	1,290	763.9	SupplierStandard	6.9
103103806270069	38	1,960	Galvanized	zZ	1,290	763.9	SupplierStandard	6.9
103103805270069	38	1,960	Galvanized	sS	1,290	763.9	SupplierStandard	6.9
103103804300069	38	2,160	Galvanized	sZ	1,362	763.9	SupplierStandard	6.9
103103803300069	38	2,160	Galvanized	zS	1,362	763.9	SupplierStandard	6.9
103103806300069	38	2,160	Galvanized	zZ	1,362	763.9	SupplierStandard	6.9
103103805300069	38	2,160	Galvanized	sS	1,362	763.9	SupplierStandard	6.9
103104004270069	40	1,960	Galvanized	sZ	1,401	857.6	SupplierStandard	7.76

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COMPLAST9

Technical data

Part code	Rope diameter mm	Tensile strength N/mm²	Finish	Rope lay	Min. breaking force kN	Steel area mm²	Lubrication	Weight kg/m
103104003270069	40	1,960	Galvanized	zS	1,401	857.6	SupplierStandard	7.76
103104006270069	40	1,960	Galvanized	zZ	1,401	857.6	SupplierStandard	7.76
103104005270069	40	1,960	Galvanized	sS	1,401	857.6	SupplierStandard	7.76
103104004300069	40	2,160	Galvanized	sZ	1,487	857.6	SupplierStandard	7.76
103104003300069	40	2,160	Galvanized	zS	1,487	857.6	SupplierStandard	7.76
103104006300069	40	2,160	Galvanized	zZ	1,487	857.6	SupplierStandard	7.76
103104005300069	40	2,160	Galvanized	sS	1,487	857.6	SupplierStandard	7.76
103104104270069	41	1,960	Galvanized	sZ	1,482	858.9	SupplierStandard	7.72
103104105270069	41	1,960	Galvanized	sS	1,482	858.9	SupplierStandard	7.72
103104105300069	41	2,160	Galvanized	sS	1,558	858.9	SupplierStandard	7.72
103104204270069	42	1,960	Galvanized	sZ	1,563	901.4	SupplierStandard	8.1
103104203270069	42	1,960	Galvanized	zS	1,563	901.4	SupplierStandard	8.1
103104206270069	42	1,960	Galvanized	zZ	1,563	901.4	SupplierStandard	8.1
103104205270069	42	1,960	Galvanized	sS	1,563	901.4	SupplierStandard	8.1
103104204300069	42	2,160	Galvanized	sZ	1,631	901.4	SupplierStandard	8.1
103104203300069	42	2,160	Galvanized	zS	1,631	901.4	SupplierStandard	8.1
103104206300069	42	2,160	Galvanized	zZ	1,631	901.4	SupplierStandard	8.1
103104205300069	42	2,160	Galvanized	sS	1,631	901.4	SupplierStandard	8.1
103104404270069	44	1,960	Galvanized	sZ	1,716	1,017.1	SupplierStandard	9.16
103104403270069	44	1,960	Galvanized	zS	1,716	1,017.1	SupplierStandard	9.16
103104406270069	44	1,960	Galvanized	zZ	1,716	1,017.1	SupplierStandard	9.16
103104405270069	44	1,960	Galvanized	sS	1,716	1,017.1	SupplierStandard	9.16
103104404300069	44	2,160	Galvanized	sZ	1,785	1,017.1	SupplierStandard	9.16
103104403300069	44	2,160	Galvanized	zS	1,785	1,017.1	SupplierStandard	9.16
103104406300069	44	2,160	Galvanized	zZ	1,785	1,017.1	SupplierStandard	9.16
103104405300069	44	2,160	Galvanized	sS	1,785	1,017.1	SupplierStandard	9.16
103104604270069	46	1,960	Galvanized	sZ	1,870	1,142	SupplierStandard	10.31
103104604300069	46	2,160	Galvanized	sZ	1,945	1,142	SupplierStandard	10.31
103104605300069	46	2,160	Galvanized	sS	1,945	1,142	SupplierStandard	10.31
103104804270069	48	1,960	Galvanized	sZ	2,030	1,235.3	SupplierStandard	11.18
103104803270069	48	1,960	Galvanized	zS	2,030	1,235.3	SupplierStandard	11.18

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Technical data

Part code	Rope diameter mm	Tensile strength N/mm²	Finish	Rope lay	Min. breaking force kN	Steel area mm²	Lubrication	Weight kg/m
103104806270069	48	1,960	Galvanized	zZ	2,030	1,235.3	SupplierStandard	11.18
103104805270069	48	1,960	Galvanized	sS	2,030	1,235.3	SupplierStandard	11.18
103104804300069	48	2,160	Galvanized	sZ	2,106	1,235.3	SupplierStandard	11.18
103104803300069	48	2,160	Galvanized	zS	2,106	1,235.3	SupplierStandard	11.18
103104806300069	48	2,160	Galvanized	zZ	2,106	1,235.3	SupplierStandard	11.18
103104805300069	48	2,160	Galvanized	sS	2,106	1,235.3	SupplierStandard	11.18
103105004270069	50	1,960	Galvanized	sZ	2,198	1,278.2	SupplierStandard	11.48
103105003270069	50	1,960	Galvanized	zS	2,198	1,278.2	SupplierStandard	11.48
103105006270069	50	1,960	Galvanized	zZ	2,198	1,278.2	SupplierStandard	11.48
103105005270069	50	1,960	Galvanized	sS	2,198	1,278.2	SupplierStandard	11.48
103105004300069	50	2,160	Galvanized	sZ	2,272	1,278.2	SupplierStandard	11.48
103105003300069	50	2,160	Galvanized	zS	2,272	1,278.2	SupplierStandard	11.48
103105006300069	50	2,160	Galvanized	zZ	2,272	1,278.2	SupplierStandard	11.48
103105005300069	50	2,160	Galvanized	sS	2,272	1,278.2	SupplierStandard	11.48
103105204270069	52	1,960	Galvanized	sZ	2,343	1,443.4	SupplierStandard	12.99
103105203270069	52	1,960	Galvanized	zS	2,343	1,443.4	SupplierStandard	12.99
103105204300069	52	2,160	Galvanized	sZ	2,405	1,443.4	SupplierStandard	12.99
103105404270069	54	1,960	Galvanized	sZ	2,527	1,556.6	SupplierStandard	14.01
103105403270069	54	1,960	Galvanized	zS	2,527	1,556.6	SupplierStandard	14.01
103105406270069	54	1,960	Galvanized	zZ	2,527	1,556.6	SupplierStandard	14.01
103105405270069	54	1,960	Galvanized	sS	2,527	1,556.6	SupplierStandard	14.01
103105404300069	54	2,160	Galvanized	sZ	2,594	1,556.6	SupplierStandard	14.01
103105403300069	54	2,160	Galvanized	zS	2,594	1,556.6	SupplierStandard	14.01
103105406300069	54	2,160	Galvanized	zZ	2,594	1,556.6	SupplierStandard	14.01
103105405300069	54	2,160	Galvanized	sS	2,594	1,556.6	SupplierStandard	14.01
103105604270069	56	1,960	Galvanized	sZ	2,716	1,674	SupplierStandard	15.07
103105603270069	56	1,960	Galvanized	zS	2,716	1,674	SupplierStandard	15.07
103105606270069	56	1,960	Galvanized	zZ	2,716	1,674	SupplierStandard	15.07
103105605270069	56	1,960	Galvanized	sS	2,716	1,674	SupplierStandard	15.07
103105604300069	56	2,160	Galvanized	sZ	2,789	1,674	SupplierStandard	15.07
103105603300069	56	2,160	Galvanized	zS	2,789	1,674	SupplierStandard	15.07

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COMPLAST9

Technical data

Part code	Rope diameter mm	Tensile strength N/mm²	Finish	Rope lay	Min. breaking force kN	Steel area mm²	Lubrication	Weight kg/m
103105606300069	56	2,160	Galvanized	zZ	2,789	1,674	SupplierStandard	15.07
103105605300069	56	2,160	Galvanized	sS	2,789	1,674	SupplierStandard	15.07
103105804270069	58	1,960	Galvanized	sZ	2,934	1,784.2	SupplierStandard	16.03
103105803270069	58	1,960	Galvanized	zS	2,934	1,784.2	SupplierStandard	16.03
103105804300069	58	2,160	Galvanized	sZ	3,012	1,784.2	SupplierStandard	16.03
103105803300069	58	2,160	Galvanized	zS	3,012	1,784.2	SupplierStandard	16.03
103106003270069	60	1,960	Galvanized	zS	3,160	1,914.6	SupplierStandard	17.24
103106006270069	60	1,960	Galvanized	zZ	3,160	1,914.6	SupplierStandard	17.24
103106005270069	60	1,960	Galvanized	sS	3,160	1,914.6	SupplierStandard	17.24
103106004300069	60	2,160	Galvanized	sZ	3,244	1,914.6	SupplierStandard	17.24
103106003300069	60	2,160	Galvanized	zS	3,244	1,914.6	SupplierStandard	17.24
103106006300069	60	2,160	Galvanized	zZ	3,244	1,914.6	SupplierStandard	17.24
103106005300069	60	2,160	Galvanized	sS	3,244	1,914.6	SupplierStandard	17.24
103106204270069	62	1,960	Galvanized	sZ	3,402	2,080	SupplierStandard	18.75
103106203270069	62	1,960	Galvanized	zS	3,402	2,080	SupplierStandard	18.75
103106206270069	62	1,960	Galvanized	zZ	3,402	2,080	SupplierStandard	18.75
103106205270069	62	1,960	Galvanized	sS	3,402	2,080	SupplierStandard	18.75
103106204300069	62	2,160	Galvanized	sZ	3,492	2,080	SupplierStandard	18.75
103106203300069	62	2,160	Galvanized	zS	3,492	2,080	SupplierStandard	18.75
103106206300069	62	2,160	Galvanized	zZ	3,492	2,080	SupplierStandard	18.75
103106205300069	62	2,160	Galvanized	sS	3,492	2,080	SupplierStandard	18.75
103106404270069	64	1,960	Galvanized	sZ	3,625	2,186.4	SupplierStandard	19.98
103106403270069	64	1,960	Galvanized	zS	3,625	2,186.4	SupplierStandard	19.98
103106406270069	64	1,960	Galvanized	zZ	3,625	2,186.4	SupplierStandard	19.98
103106404300069	64	2,160	Galvanized	sZ	3,721	2,186.4	SupplierStandard	19.98
103106403300069	64	2,160	Galvanized	zS	3,721	2,186.4	SupplierStandard	19.98

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COMPLAST9

Range of diameter	Total number of wires	Outer strands number of wires	Number of wire break at discard				Fill factor
			Regular Lay		Lang's Lay		
			6 x d	30 x d	6 x d	30 x d	
16 - 19	237	153	6	13	3	6	0,67
20 - 32	358	234	10	19	5	10	0,67
34 - 50	403	279	11	22	6	11	0,67
52 - 64	548	324	12	25	6	12	0,67

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