

## Expendable items(WG 30)

Cable ties  
Tensioning tools  
Heat shrinkable tubes



### Cable ties

material: nylon 6,6 - colour natural, low cost components, quick and simple to fix by hand or with tensioning tools, extremely resistant to sea water, oil, grease, etc., manufactured in accordance with UL and MIL specification requirements



Art. No.	length	width	Ct max.	TS kg	weight	PU	PU
26 25 00	96	2,5	23	8	290	100/	30000
26 25 02	100	2,5	25	8	310	100/	25000
26 25 04	142	2,5	35	8	480	100/	25000
26 25 06	203	2,5	55	8	700	100/	13000
26 25 08	142	3,2	35	18	480	100/	10000
26 25 10	292	3,6	85	18	750	100/	7000
26 25 12	190	4,8	52	22	100	100/	8000
26 25 16	203	4,6	55	22	150	100/	7000
26 25 18	250	4,8	74	22	200	100/	6000
26 25 20	310	4,8	89	22	200	100/	5000
26 25 22	368	4,8	102	22	250	100/	4000
26 25 28	203	7,6	55	55	300	100/	2000
26 25 30	280	7,6	78	55	400	100/	2000
26 25 32	380	7,6	110	55	500	100/	2500
26 25 36	450	8,0	133	80	350	50/	500
26 25 38	610	9,0	185	80	500	50/	500
26 25 40	812	9,0	246	80	300	20/	500
26 25 42	914	9,0	270	80	800	50/	500
26 25 46	550	12,7	166	114	1000	50/	500

### Cable ties

material: polyamide 6,6 - colour natural, resistant to mildew and rotting, extremely resistant to sea water, oil, grease, hydrocarbons and hydraulic fluids, operating temperature: -40° to +85° C, these binders meet the requirements of the military specification Mil-Spec. 23 190C (WEP) MS-3367, UL 94 V2



Art. No.	length	width	Ct max.	TS kg	weight	PU	PU
26 21 00	100	2,5	25	8	310	100/	25000
26 21 02	142	3,2	35	18	100	100/	10000
26 21 01	203	3,6	55	18	50	100/	10000
26 21 06	203	4,6	55	22	150	100/	7000
26 21 08	310	4,8	89	22	250	100/	5000
26 21 10	368	4,8	102	22	250	100/	4000
26 21 14	380	7,6	110	55	290	50/	2000
26 21 16	550	12,7	166	114	1000	50/	500

### Cable ties

material: polyamide 6,6 - colour black, all other data and properties like No. 26 21 00-16, resistant to sea water, oil, grease, etc.



Art. No.	length	width	Ct max.	TS kg	weight	PU	PU
26 21 20	100	2,5	25	8	300	100/	25000
26 21 22	142	3,2	35	18	300	100/	10000
26 21 24	203	3,6	55	18	100	100/	10000
26 21 26	203	4,6	55	22	170	100/	6000
26 21 28	310	4,8	89	22	250	100/	5000
26 21 30	368	4,8	102	22	400	100/	4000
26 21 32	280	7,6	78	55	400	100/	2000
26 21 34	380	7,6	110	55	250	50/	2000
26 21 36	550	12,7	166	114	750	50/	500

### Cable ties

material: nylon - colour black, all other data and properties like No. 26 25 00-46, weather- and UV-resistant



Art. No.	length	width	Ct max.	TS kg	weight	PU	PU
26 26 00	96	2,5	23	8	290	100/	30000
26 26 02	100	2,5	25	8	310	100/	25000
26 26 04	142	2,5	35	8	480	100/	20000
26 26 06	203	2,5	55	8	670	100/	10000
26 26 08	142	3,2	35	18	720	100/	10000
26 26 10	292	3,6	85	18	150	100/	7000
26 26 16	203	4,6	52	22	150	100/	6000
26 26 18	250	4,8	74	22	150	100/	6000
26 26 20	310	4,8	89	22	200	100/	5000
26 26 22	368	4,8	102	22	250	100/	4000
26 26 28	203	7,6	55	55	300	100/	2000
26 26 30	280	7,6	78	55	400	100/	2000
26 26 32	380	7,6	110	55	500	100/	2500
26 26 36	450	8,0	133	80	350	50/	500
26 26 38	610	9,0	185	80	500	50/	500
26 26 40	812	9,0	246	80	300	20/	500
26 26 42	914	9,0	270	80	800	50/	500
26 26 46	550	12,7	166	114	1000	50/	500

### Cable ties

material: polyamide 6,6 - colour natural, all other data and properties like No. 26 25 00-46, big packing unit 1000 pcs.



Art. No.	length	width	Ct max.	TS kg	weight	PU	PU
26 25 01	96	2,5	23	8	290	1000/	30000
26 25 03	100	2,5	25	8	310	1000/	25000
26 25 05	142	2,5	35	8	480	1000/	10000
26 25 07	203	2,5	55	8	300	1000/	10000
26 25 09	142	3,2	35	18	650	1000/	10000
26 25 11	292	3,6	85	18	800	1000/	8000
26 25 17	203	4,6	55	22	1400	1000/	10000
26 25 13	190	4,8	50	22	1450	1000/	8000

### Cable ties

material: polyamide 6,6 - colour black, all other data and properties like No. 26 25 00-46, big packing unit 1000 pcs.



Art. No.	length	width	Ct max.	TS kg	weight	PU	PU
26 26 01	96	2,5	23	8	300	1000/	30000
26 26 09	142	3,2	35	18	700	1000/	10000

### Releasable cable ties

material: polyamide 6,6 - colour black, operation temperature: -40° to +85° C



Art. No.	length	width	Ct max.	TS kg	weight	PU	PU
26 21 40	150	7,6	35	22	150	100/	5000
26 21 42	200	7,6	50	22	200	100/	5000
26 21 44	300	7,6	80	22	350	100/	5000

## Double-locking Cable ties

material: nylon - colour black, (26 27 10 Nylon 12)



Art. No.	length	width	Ct max.	TS kg	weight	PU	PU
26 27 00	180	9,0	45	55	8	100/	500
26 27 02	300	9,0	88	55	100	100/	500
26 27 04	360	9,0	100	55	100	100/	500
26 27 10	300	9,0	88	55	100	100/	500

## Tensioning tools for Cable ties

The built-in knife will cut only, when the requested tension has been reached. Cutting via simple twist action of the tool. material: plastic



Art. No.	width	weight	PU
26 21 51	2,5 - 5,0 mm	250	1

## Tensioning tools for Cable ties

The built-in knife will cut only, when the requested tension has been reached. material: metal



Art. No.	width	weight	PU
26 21 52	2,5 - 5,0 mm	300	1

## Tensioning tools for Cable ties

The built-in knife will cut only, when the requested tension has been reached. material: metal



Art. No.	width	weight	PU
26 21 54	2,5 - 13,0 mm	320	1

## Tensioning tools for Cable ties

The built-in knife will cut only, when the requested tension has been reached. material: metal



Art. No.	width	weight	PU
26 21 58	2,5 - 10,0 mm	300	1

## Self adhesive sockets

for cable ties and a quick and reliable fastening of line or cable bundles and other objects



Art. No.	width mm	colour	weight	PU	PU
26 21 60	to 3,6 mm	natural	780	100/	1000
26 21 61	to 3,6 mm	black	800	100/	1000
26 21 62	to 4,8 mm	natural	850	100/	500
26 21 63	to 4,8 mm	black	900	100/	500

## Screw type sockets

for cable ties and a quick and reliable fastening of large diam. cable bundles and other objects



Art. No.	width	colour	weight	PU	PU
26 21 64	to 7,8 mm	natural	150	100/	10000
26 21 65	to 7,8 mm	black	150	100/	10000

## Dowel Mounting sockets/ Christmas trees

for cable ties up to a width of 9 mm, 2 types with different wall-distances, available wall-fixing avoid the friction of the cable on the wall, black colour



Art. No.	A	B	C	D	weight	PU	PU
26 21 70	10	37	6,5	9,2	150	100/	5000
26 21 72	10	37	13	9,2	150	100/	4000

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## Heat shrinkable tubes

of polyolefin, radiation interlaced, thin and flexible, dielectric strength 15 - 25 KV/mm acc. to DIN 53481, operating temperature: - 55° C to 135° C, shrinking temperature: > 115° C, **1 meter** length in self-service-pack



Art. No.	SR to	SR from	th. wall	weight	PU
26 20 85	4,8	2,4	0,50	300	10
26 20 86	6,4	3,2	0,60	300	10
26 20 87	9,5	4,8	0,60	350	10
26 20 88	12,7	6,4	0,60	400	10
26 20 89	19,0	9,5	0,80	600	10
26 20 90	25,4	12,7	0,90	750	10

## Heat shrinkable tubes

of polyolefin, self extinguished according to MV SS 302, thin and flexible universal using, dielectric strength 15 - 25 KV/mm DIN 53481, operating temperature: - 55° C to 135° C, shrinking temperature: > 115° C, in **5 meter** length, in self-service-pack



Art. No.	SR to	SR from	th. wall	weight	PU
26 20 95	19,0	9,5	0,80	300	1
26 20 96	25,4	12,7	0,90	300	1

## Heat shrinkable tubes

of polyolefin, self extinguished according to MV SS 302, thin and flexible universal using, dielectric strength 15 - 25 KV/mm DIN 53481, operating temperature: - 55° C to 135° C, shrinking temperature: > 115° C, in **10 m role**



Art. No.	SR to	SR from	th. wall	weight	PU
26 20 73	1,2	0,6	0,40	1100	1
26 20 74	1,6	0,8	0,50	2200	1
26 20 75	2,4	1,2	0,50	3000	1
26 20 76	3,2	1,6	0,50	3000	1
26 20 91	4,8	2,4	0,50	3000	1
26 20 92	6,4	3,2	0,60	3000	1
26 20 93	9,5	4,8	0,60	3000	1
26 20 94	12,7	6,4	0,60	3000	1

Ct max. . . . . cable tree max in mm  
height . . . . . in mm  
length . . . . . in mm

PU . . . . . packing unit in pieces  
SR . . . . . shrinking range in mm  
th . . . . . thickness of wall after shrinking mm

TS . . . . . tensile strength  
tot. length . . . . . total length in mm  
weight . . . . . in gr.

width . . . . . in mm  
wot . . . . . width of tape in mm

## Heat shrinkable tubes

of polyolefin, self extinguished according to MV SS 302, thin and flexible universal using, dielectric strength 15 - 25 KV/mm DIN 53481, operating temperature: - 55° C to 135° C, shrinking temperature: > 115° C, in **75 m role**



Art. No.	Sb von	Sb auf	WS	weight	PU
26 20 93/75	9,5	4,8	0,70	1100	1

## Hot air gun

Type Profi HL 2000 P, for shrinkable tubes



Art. No.	weight	PU
26 20 97	850	1

## Polyethene spiral binding

natural, non-flame resistant



Art. No.	Ø length m	KB	weight	PU
26 20 60	1,5 30	1,5 - 18	250	1
26 20 62	4 30	4 - 50	550	1
26 20 64	9 30	9 - 65	2350	1

## Polyethene spiral binding

white, flame resistant



Art. No.	Ø length m	KB	weight	PU
26 20 66	1,5 30	1,5 - 18	400	1
26 20 68	4 30	4 - 50	800	1
26 20 69	9 30	9 - 65	1950	1

## Cable ties system in casket

spring ball head, starting ball and drawing garter are packed in a foam cushion in the center of the casket, casket consists of:

- glass fibre tape 25, 30,5 or 50 m
- drawing garter 6 - 9 mm  $\emptyset$
- spring ball heads 7, 10 and 13 mm  $\emptyset$
- drawing help, 3 starting pieces 6 mm  $\emptyset$
- 3 starting balls



Art. No.	length m	weight	PU
14 22 00	25,0	1250	1
14 22 02	30,5	1350	1
14 22 04	50,0	1500	1

## Drawing garter

including starting ball, spare part for fish tape system



Art. No.	$\emptyset$	weight	PU
14 22 10	4 - 7	50	1
14 22 11	6 - 9	50	1

## Drawing garter

including starting ball, spare part for fish tape system



Art. No.	$\emptyset$	weight	PU
14 22 12	9 - 12	50	1
14 22 13	12 - 19	50	1
14 22 14	19 - 25	50	1

## Connection-sleeve

Spare part for fish-tape system



Art. No.	weight	PU
14 22 15	100	1

## Drawing help

including 2 spare pressing parts, spare part for cable ties system



Art. No.	weight	PU
14 22 16	100	1

## Pressing ledge for drawing helps

spare part for cable ties system

Art. No.	weight	PU
14 22 17	100	10

## Spare glass fibre tape

spare part for cable ties system



Art. No.	length m	weight	PU
14 22 18	25,0	300	1
14 22 19	30,5	300	1
14 22 20	50,0	550	1

## Starting ball

Art. No. 14 22 30 Starting ball

Art. No. 14 22 29 Starting piece with MS thread



Art. No.	length mm	weight	PU
14 22 30	10	10	1
14 22 29	10	10	1

## Spare part set for cable ties system

7 parts consisting of:

- Spring ball head 1, Art. No. 14 22 26
- Spring ball head 2, Art. No. 14 22 27
- Spring ball head 3, Art. No. 14 22 28
- Starting ball, Art. No. 14 22 30
- Connection sleeves, Art. No 14 22 15
- Pressing part, Art. No. 14 22 17



Art. No.	set	weight	PU
14 22 25	7pieces	50	1

## Steel fish tapes

with eyelet and brass rolling ball



Art. No.	length m	$\emptyset$ mm	weight	PU
15 01 52	10	3,5 x 0,5	135	10
15 01 54	15	3,5 x 0,5	200	10
15 01 56	20	3,5 x 0,5	270	10
15 01 58	25	3,5 x 0,5	325	10

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## Spiral fish tapes

made from steel spirals, fourfold twisted, with solid steel end pieces



Art. No.	length m	Ø	weight	PU
15 02 00	5	4	370	1
15 02 02	10	4	680	1
15 02 04	15	4	970	1
15 02 06	20	4	1310	1
15 02 08	25	4	1665	1
15 02 10	30	4	1885	1

## Perlon fish tapes

made from stretched „Bayer-Perlon wire“, with solid steel end pieces with additional pilot spring, approx. 120 mm length, strip size 3 mm



Art. No.	length m	Ø	weight	PU
15 02 20	5	3	100	1
15 02 22	10	3	160	1
15 02 24	15	3	230	1
15 02 26	20	3	300	1
15 02 28	25	3	375	1
15 02 30	30	3	450	1

## Perlon fish tapes

made from stretched „Bayer-Perlon wire“, black, with solid steel end pieces, without additional pilot spring, strip size 4 mm



Art. No.	length m	Ø	weight	PU
15 02 32	10	4	160	1
15 02 34	15	4	230	1
15 02 36	20	4	300	1
15 02 38	25	4	375	1
15 02 39	30	4	455	1
15 02 47	25	4	380	1

## Perlon fish tapes

made from stretched „Bayer-Perlon wire“, with solid steel end pieces with additional pilot spring, approx. 120 mm length, strip size 4 mm



Art. No.	length m	Ø	weight	PU
15 02 41	10	4	165	1
15 02 43	15	4	235	1
15 02 45	20	4	305	1

## Perlon fish tapes

made from stretched „Bayer-Perlon wire“, with solid steel end pieces, with 2 eyes, strip size 3 mm



Art. No.	length m	Ø	weight	PU
15 04 50	5	3	50	1
15 04 52	10	3	100	1
15 04 54	15	3	125	1
15 04 56	20	3	150	1
15 04 58	25	3	200	1

## Perlon fish tapes

made from stretched „Bayer-Perlon wire“, with solid steel end pieces, with 2 eyes, strip size 4 mm



Art. No.	length m	Ø	weight	PU
15 04 62	5	4	100	1
15 04 64	10	4	150	1
15 04 66	15	4	250	1
15 04 68	20	4	300	1
15 04 70	25	4	400	1

## Perlon fish tapes

made from stretched „Bayer-Perlon wire“, with solid steel end pieces, with 2 spring and 2 eyes, strip size 4 mm



Art. No.	length m	Ø	weight	PU
15 04 76	10	4	150	1
15 04 78	15	4	250	1
15 04 80	20	4	300	1
15 04 82	25	4	400	1

CS . . . . . cross section in mm<sup>2</sup>  
height . . . . . in mm  
length . . . . . in mm

M . . . . . bolt M in mm  
plug . . . . . flat plug  
PU . . . . . packing unit in pieces

weight . . . . . in gr.  
width . . . . . in mm